

## Test Data

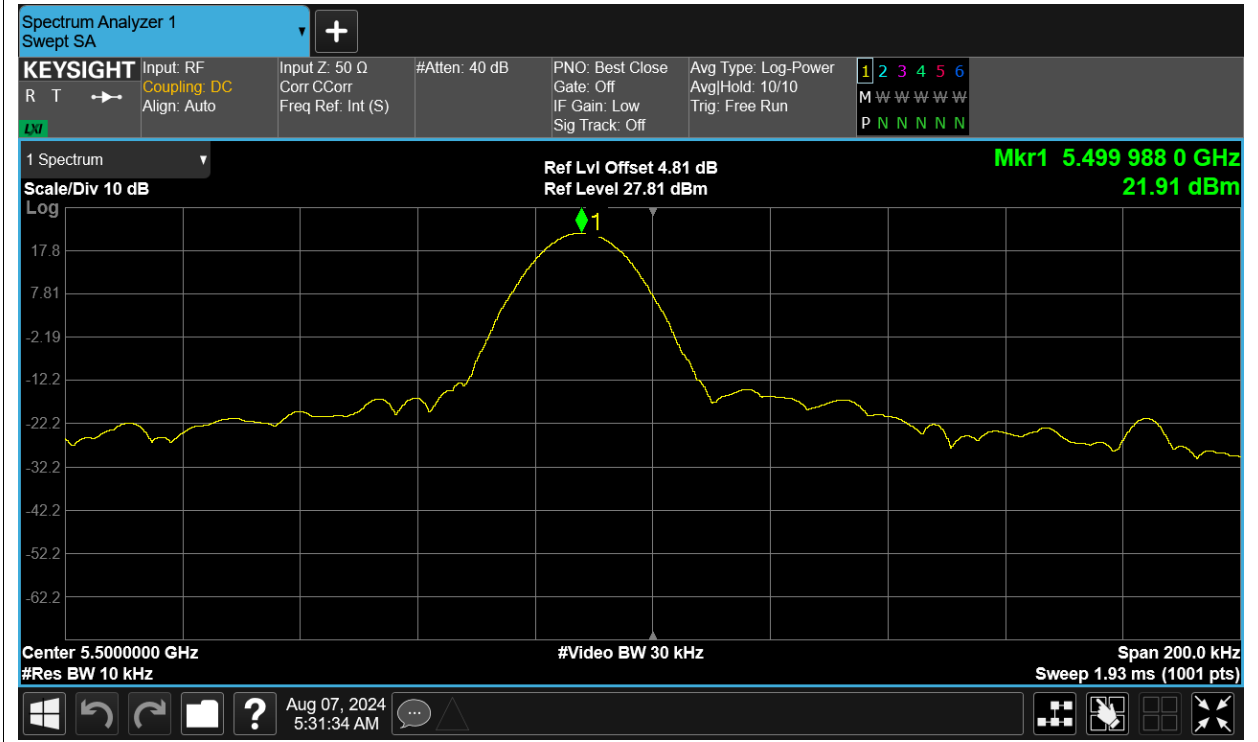
### Frequency Stability

Condition	Mode	Frequency (MHz)	Antenna	Measured Frequency (MHz)	Deviation (ppm)	Limit (ppm)	Verdict
LVLT	a	5500	Ant1	5499.988	-2.18	Within authorized band	Pass
LVNT	a	5500	Ant1	5499.9882	-2.15		Pass
NVHT	a	5500	Ant1	5499.9886	-2.07		Pass
NVLT	a	5500	Ant1	5499.9892	-1.96		Pass
NVNT	a	5500	Ant1	5499.9902	-1.78		Pass
LVLT	ac80	5530	Ant1	5529.9904	-1.74		Pass
LVNT	ac80	5530	Ant1	5529.9908	-1.66		Pass
NVHT	ac80	5530	Ant1	5529.9914	-1.56		Pass
NVLT	ac80	5530	Ant1	5529.9928	-1.3		Pass
NVNT	ac80	5530	Ant1	5529.9948	-0.94		Pass
LVLT	n40	5510	Ant1	5509.9884	-2.11		Pass
LVNT	n40	5510	Ant1	5509.9888	-2.03		Pass
NVHT	n40	5510	Ant1	5509.9892	-1.96		Pass
NVLT	n40	5510	Ant1	5509.9898	-1.85		Pass
NVNT	n40	5510	Ant1	5509.9908	-1.67		Pass

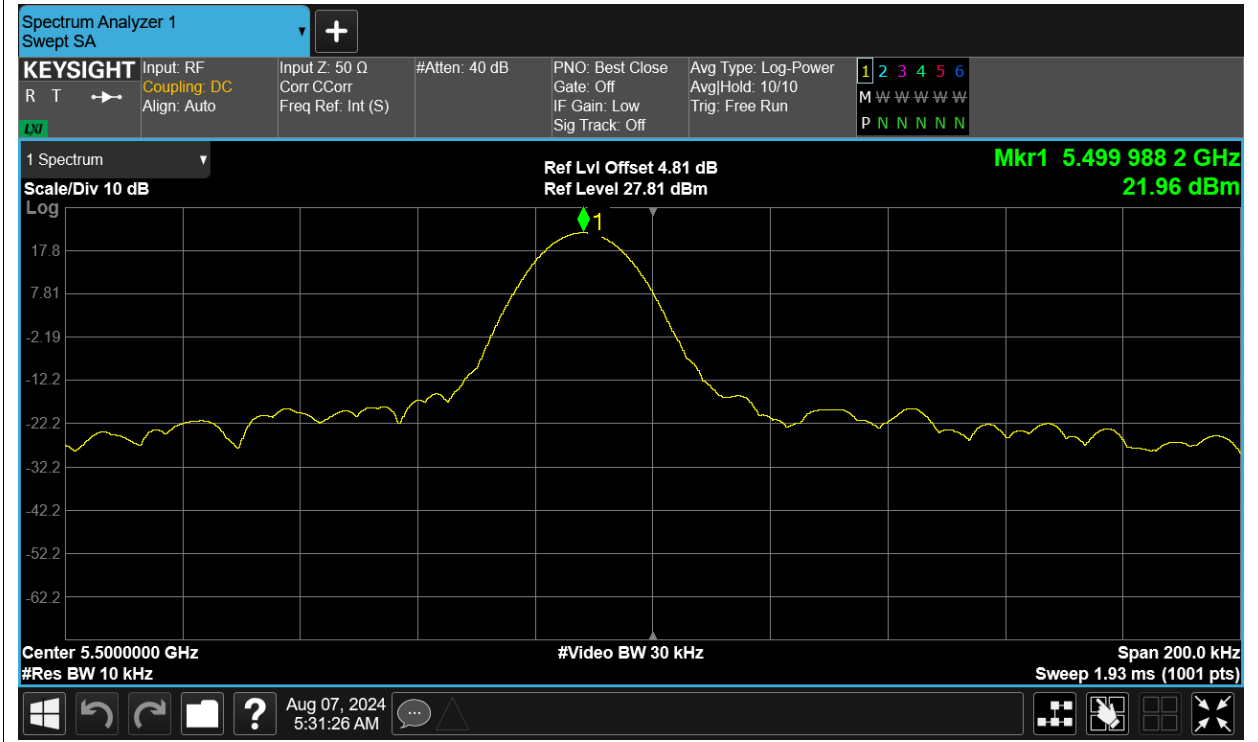
Remark: "NTNV" means Normal Temperature Normal Voltage, "NVHT" means Normal Voltage High Temperature, "NVLT" means Normal Voltage Low Temperature, "LVNT" means Low Voltage Normal Temperature, "HVNT" means High Voltage Normal Temperature.

Test Graphs

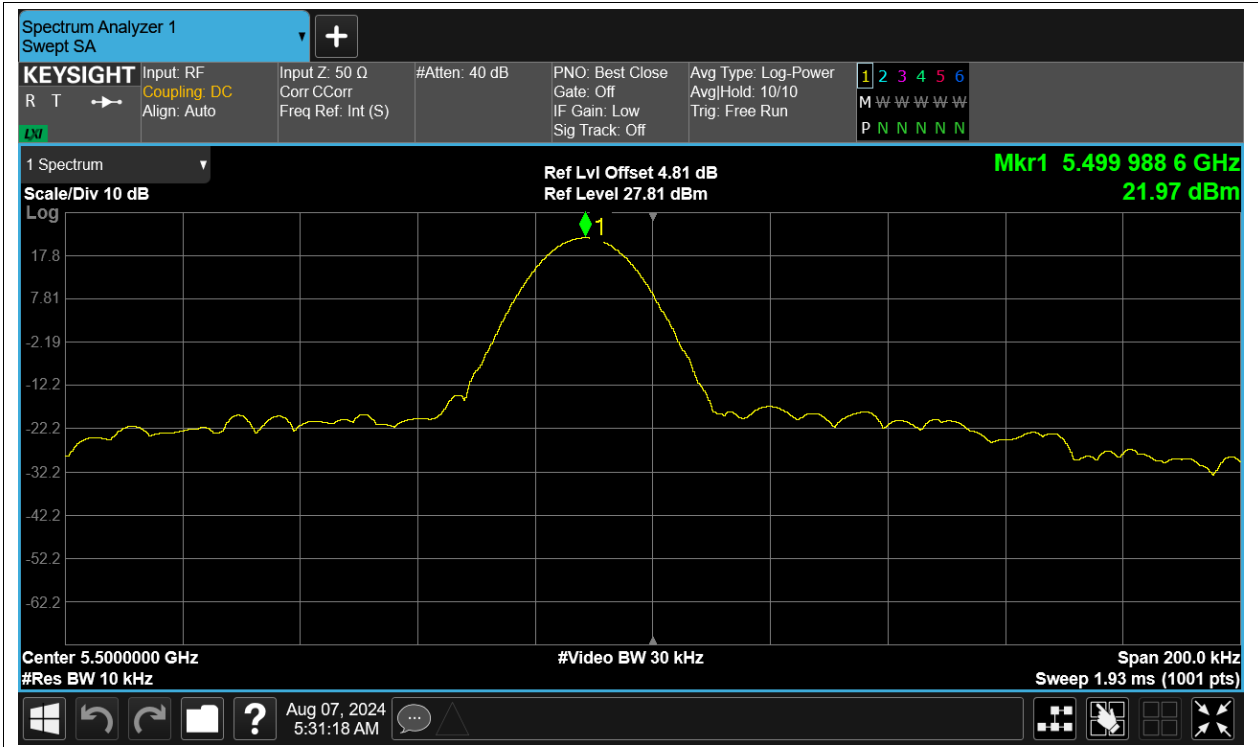
Freq. Stability LVLT a 5500MHz Ant1



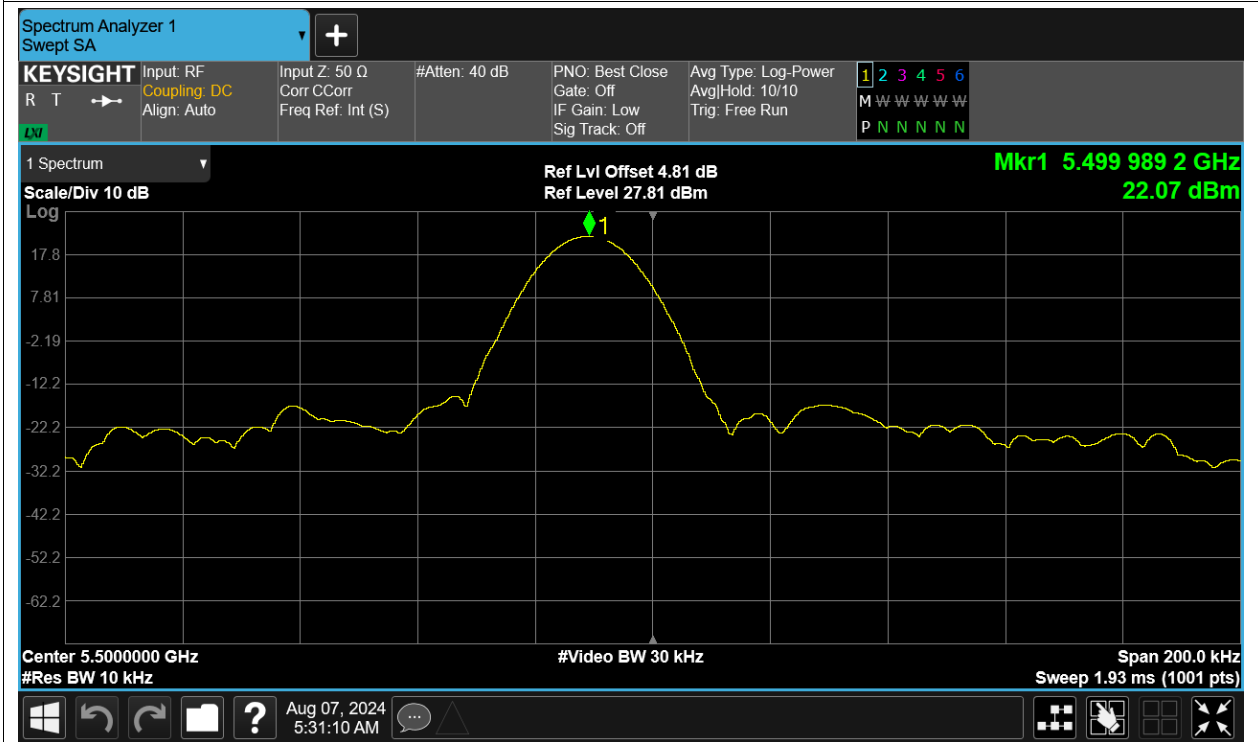
Freq. Stability LVNT a 5500MHz Ant1



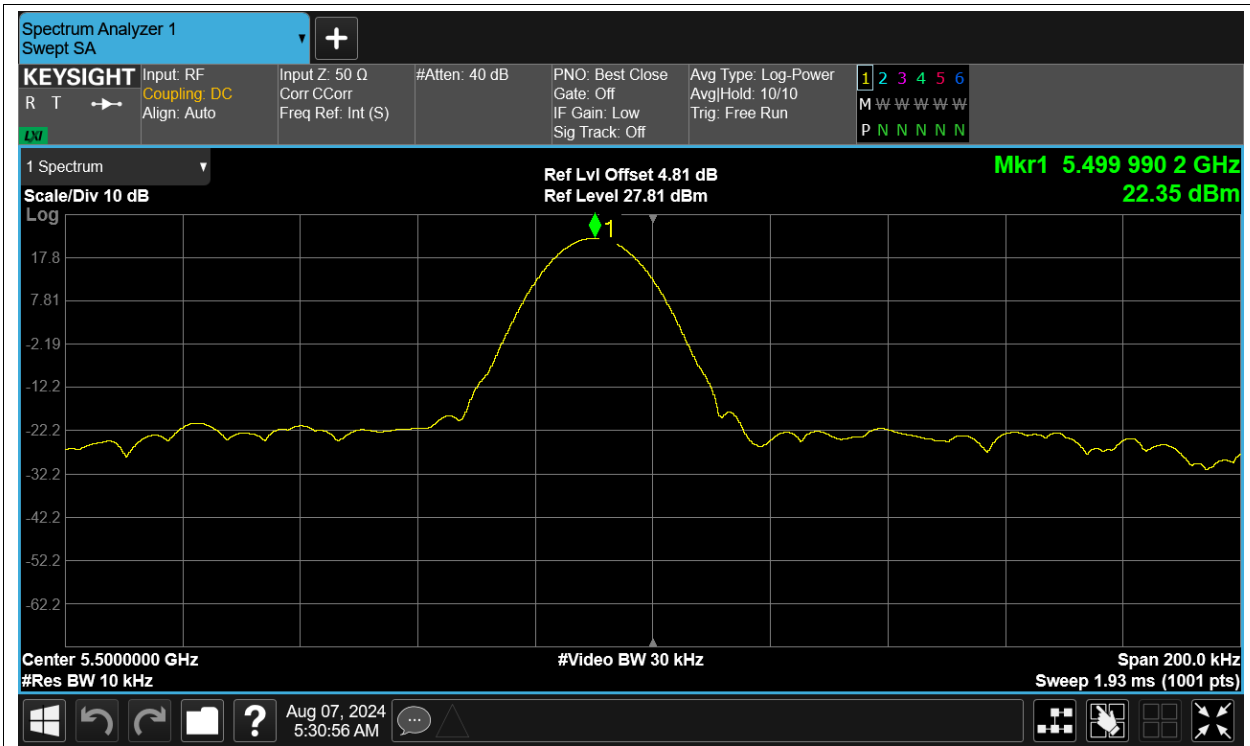
Freq. Stability NVHT a 5500MHz Ant1



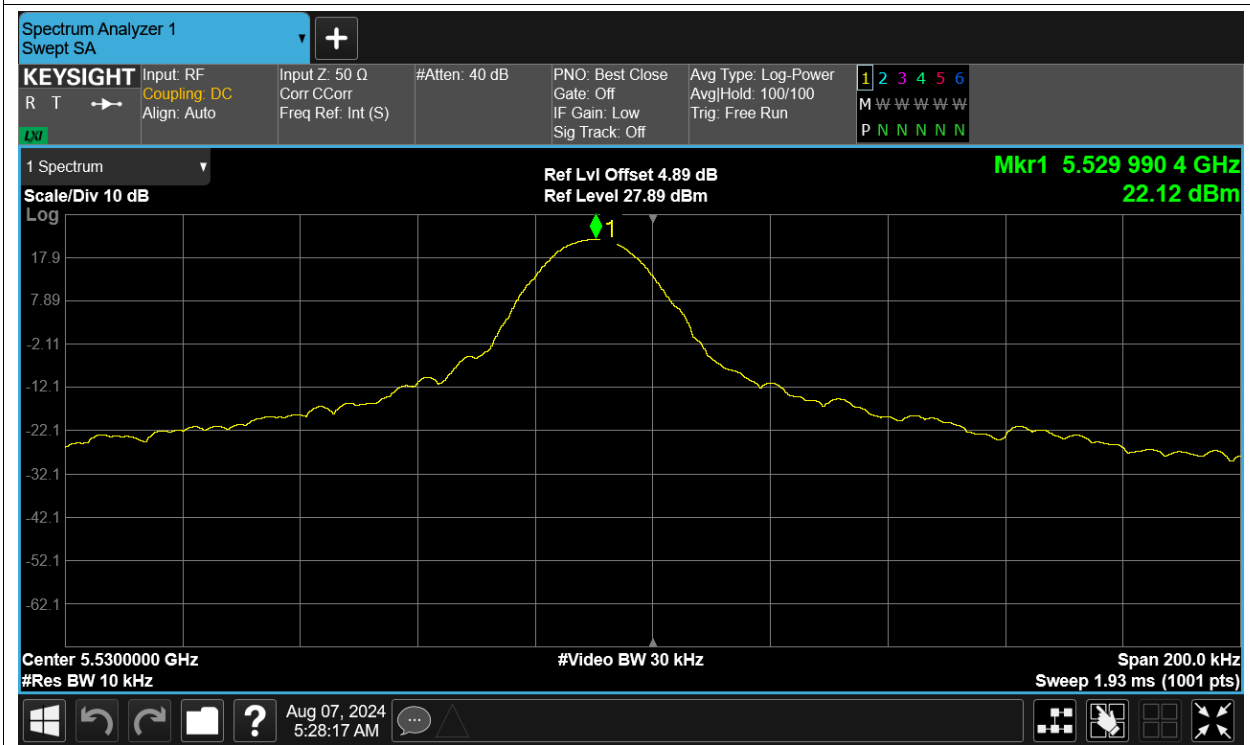
Freq. Stability NVLT a 5500MHz Ant1



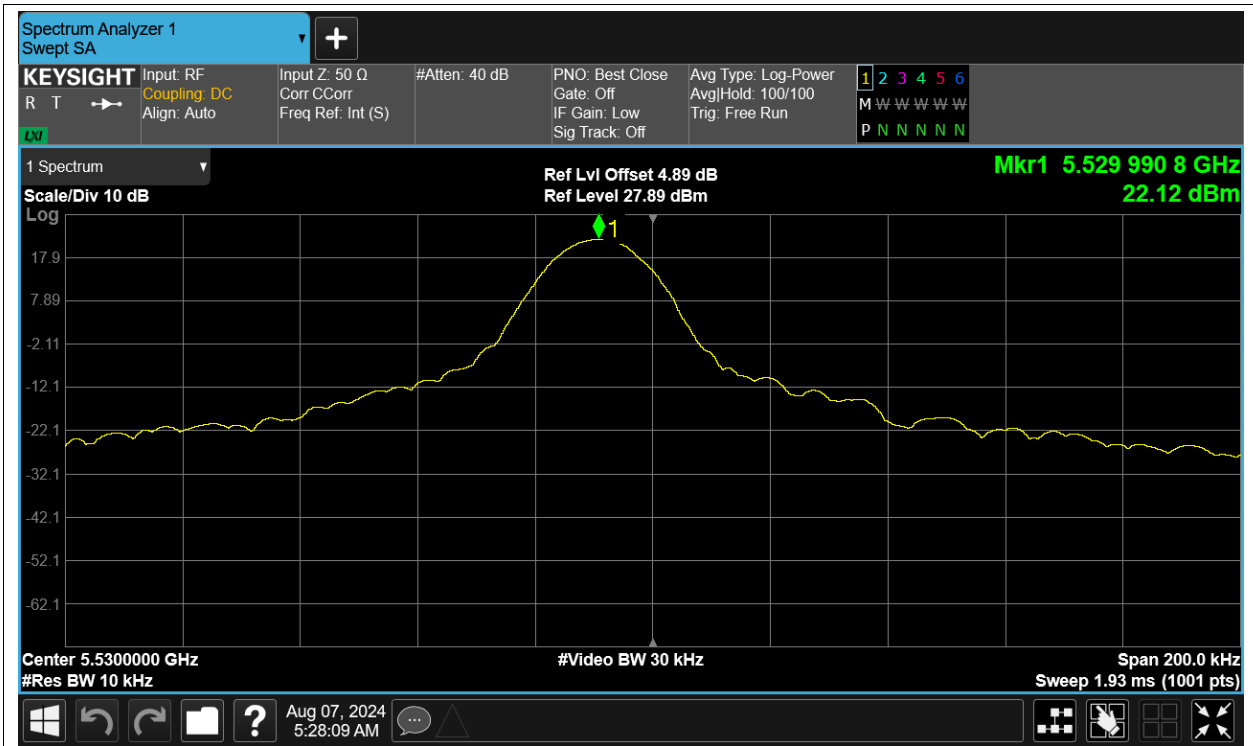
Freq. Stability NVNT a 5500MHz Ant1



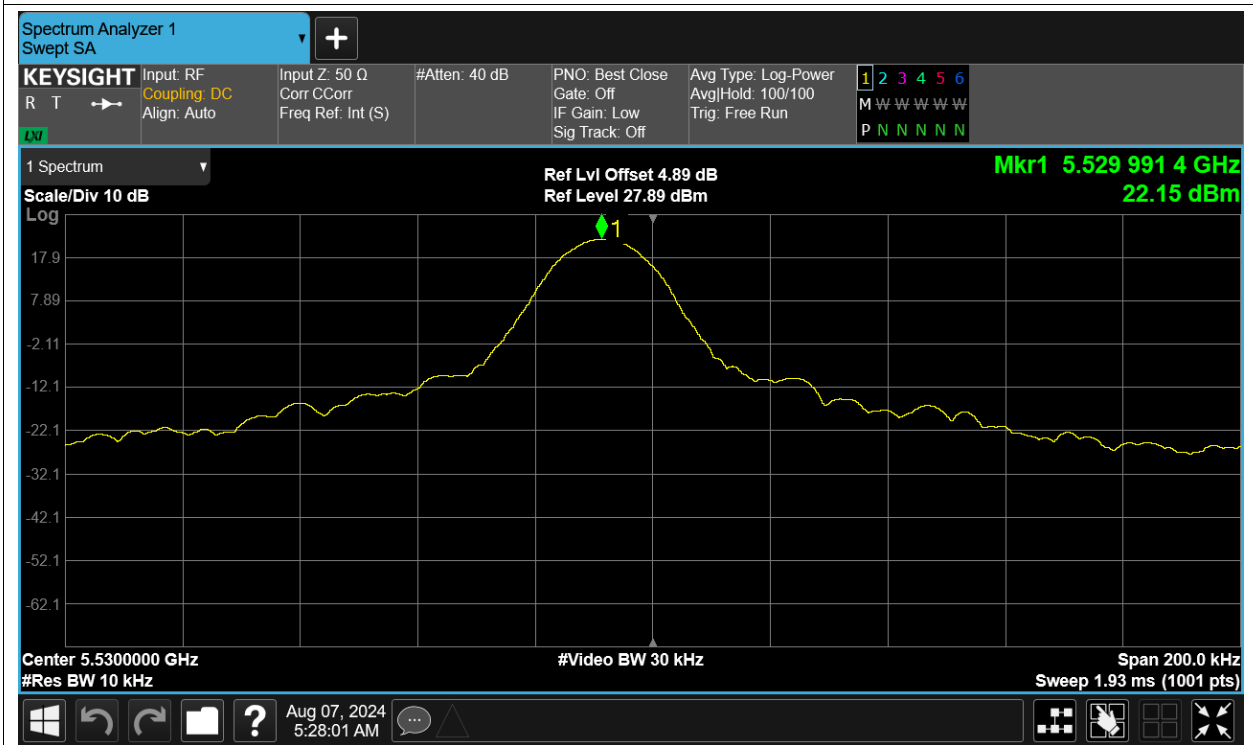
Freq. Stability LVLTL ac80 5530MHz Ant1



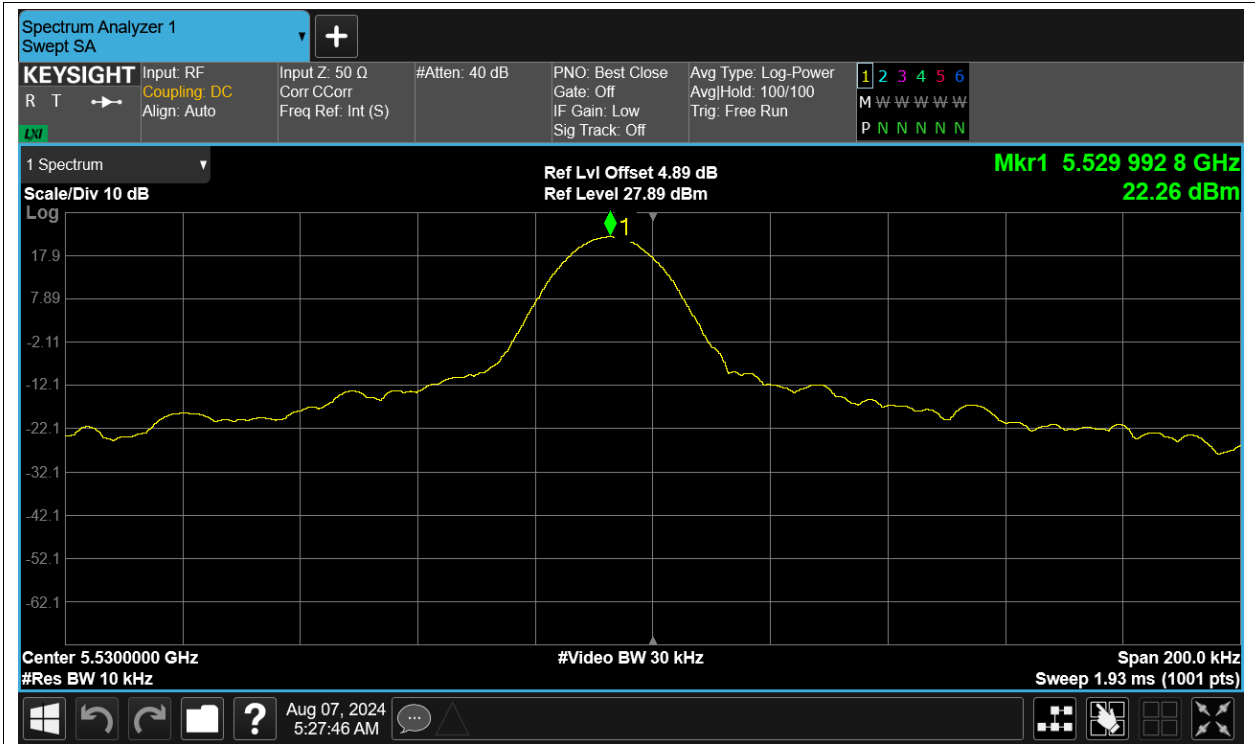
Freq. Stability LVNT ac80 5530MHz Ant1



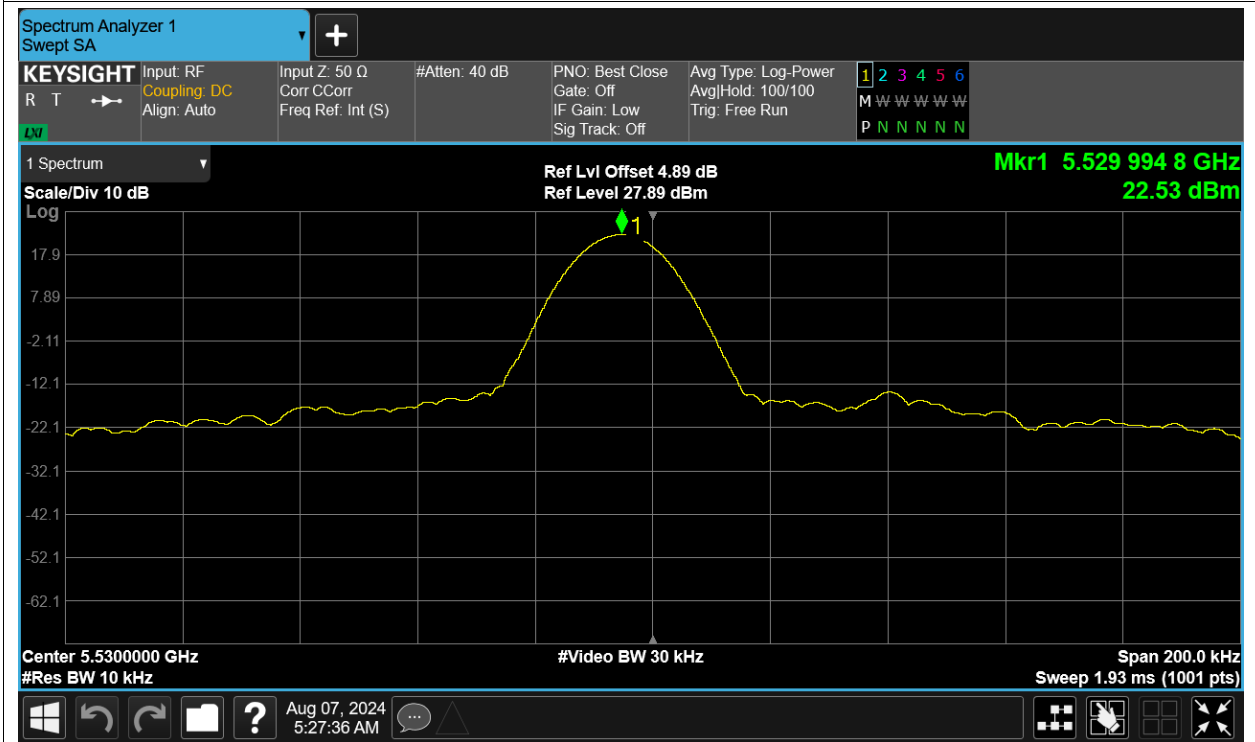
Freq. Stability NVHT ac80 5530MHz Ant1



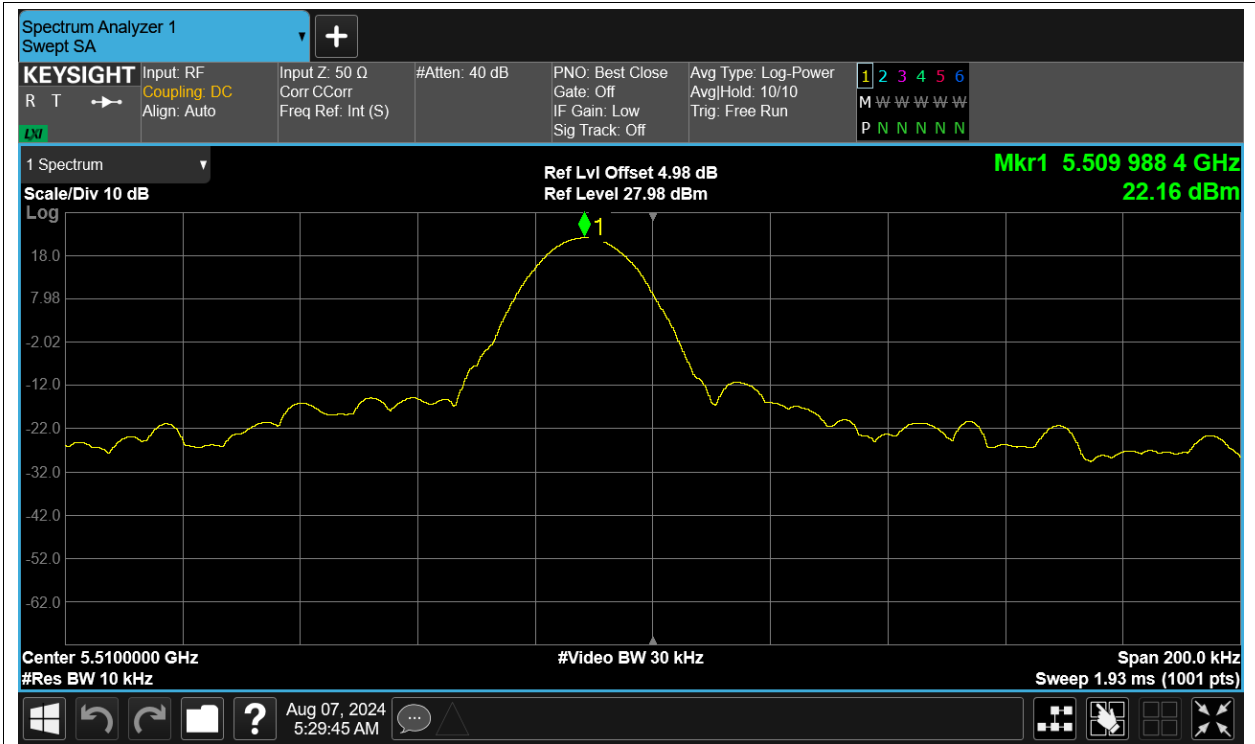
Freq. Stability NVLT ac80 5530MHz Ant1



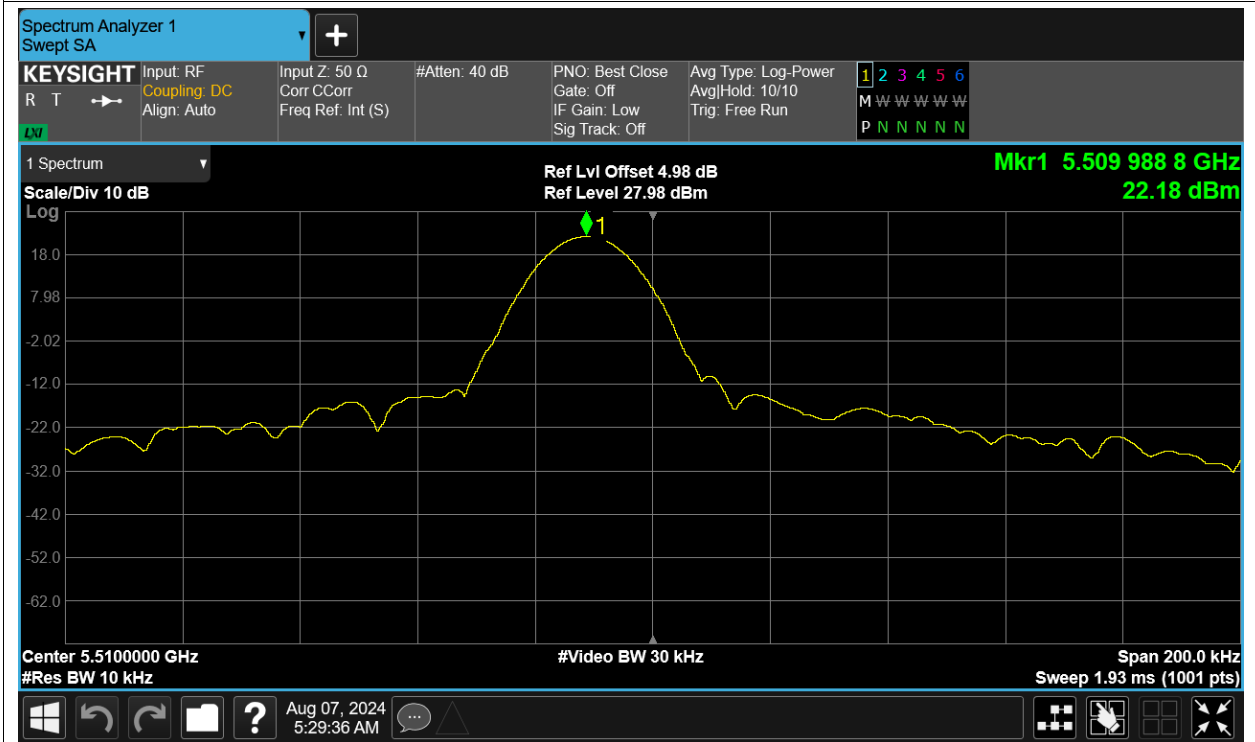
Freq. Stability NVNT ac80 5530MHz Ant1



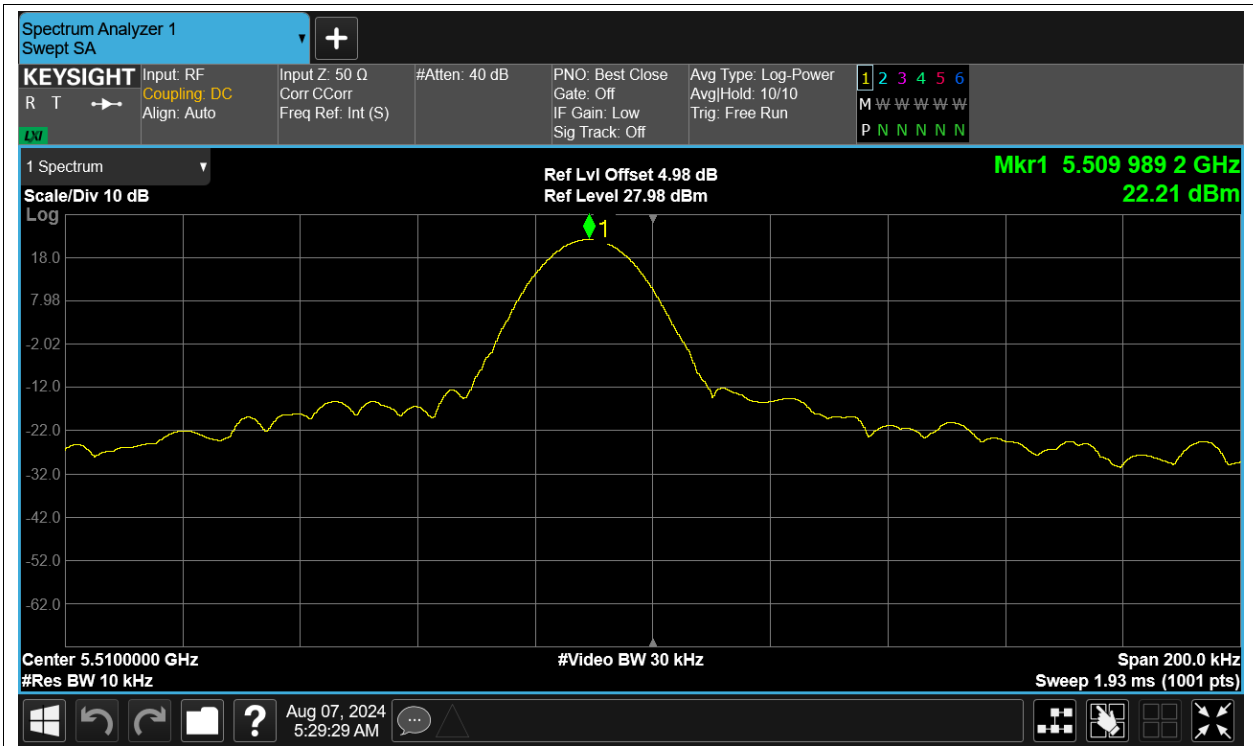
Freq. Stability LVLT n40 5510MHz Ant1



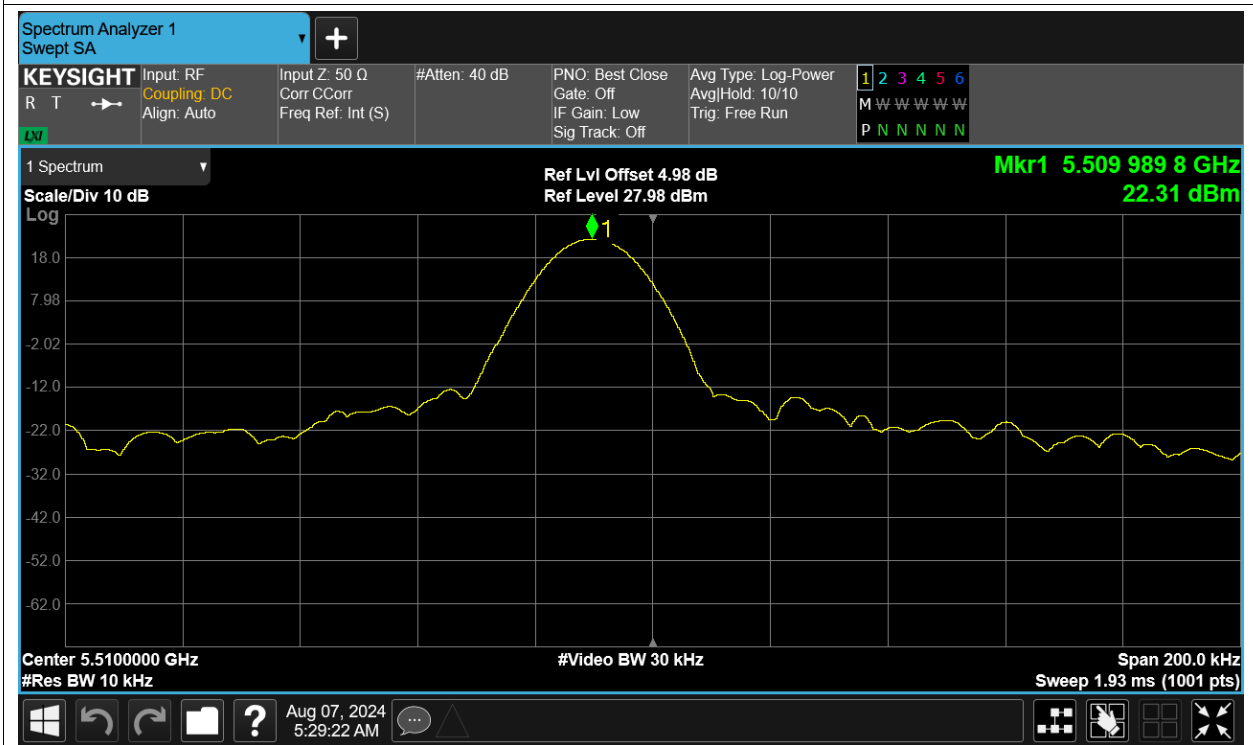
Freq. Stability LVNT n40 5510MHz Ant1



Freq. Stability NVHT n40 5510MHz Ant1

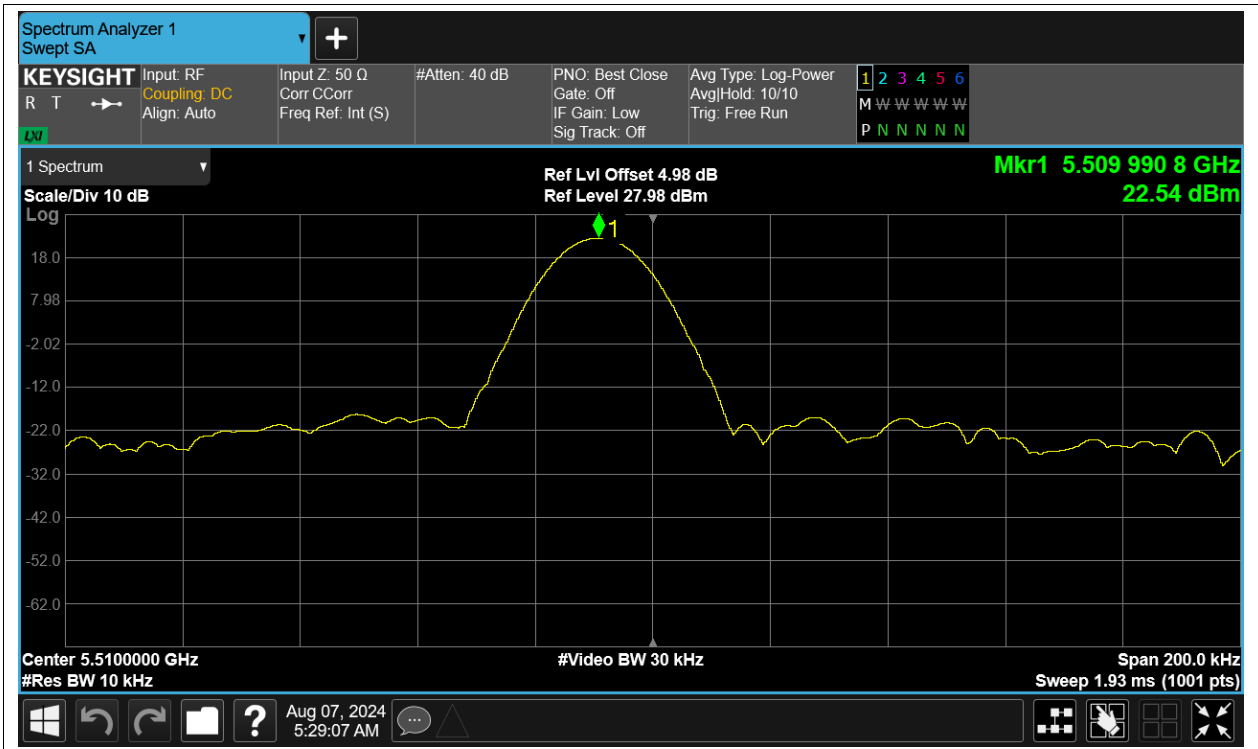


Freq. Stability NVLT n40 5510MHz Ant1



Freq. Stability NVNT n40 5510MHz Ant1



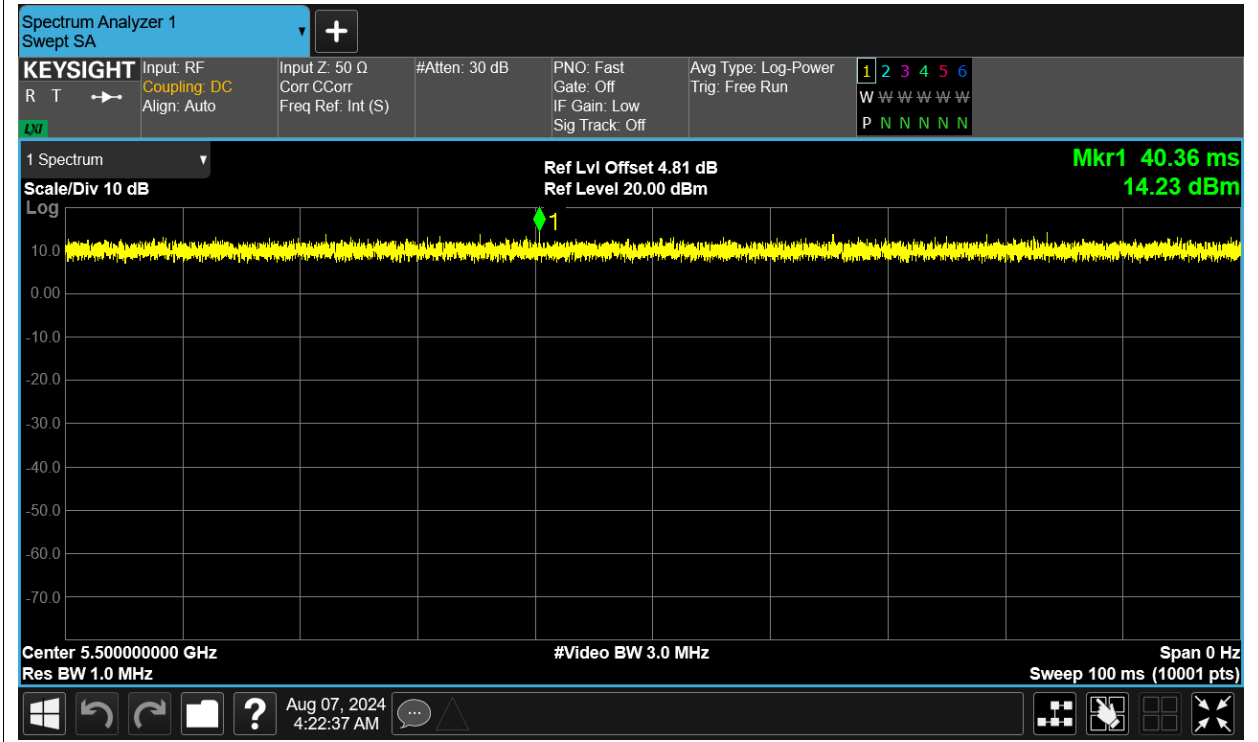


## Duty Cycle

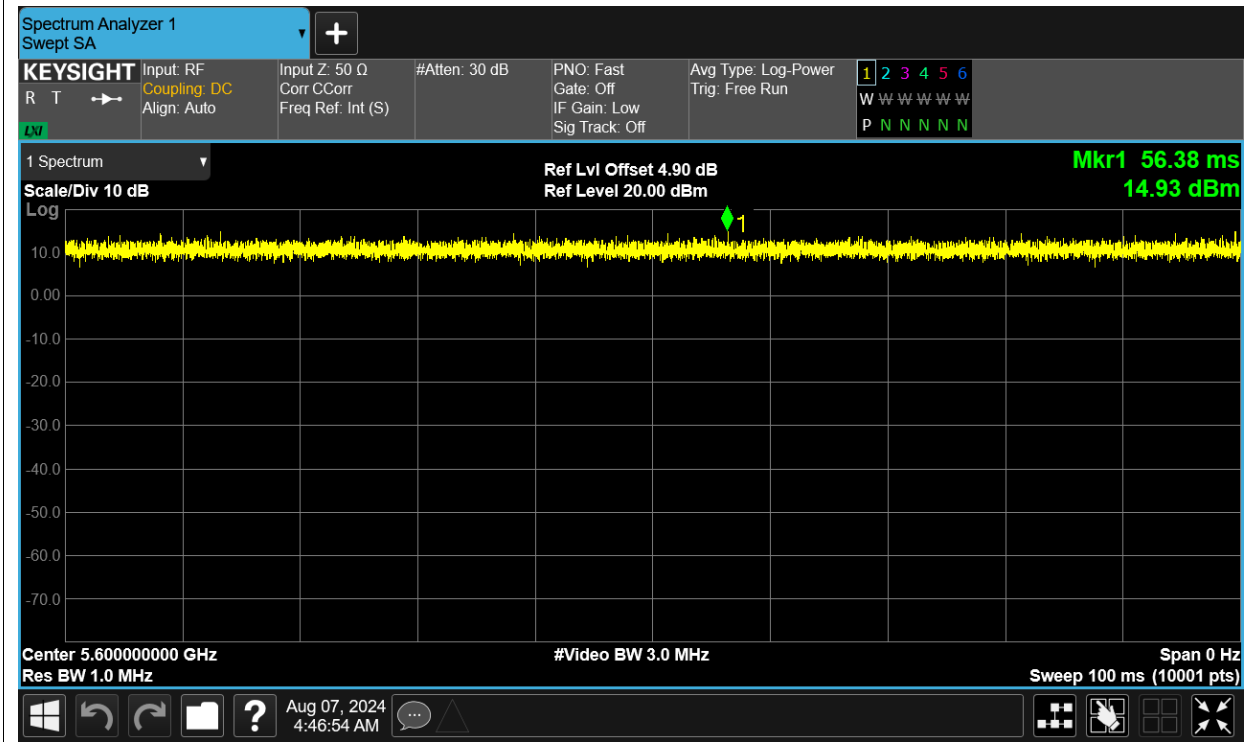
Condition	Mode	Frequency (MHz)	Antenna	Duty Cycle (%)	Correction Factor (dB)
NVNT	a	5500	Ant1	100	0
NVNT	a	5600	Ant1	100	0
NVNT	a	5700	Ant1	100	0
NVNT	ac20	5500	Ant1	100	0
NVNT	ac20	5600	Ant1	100	0
NVNT	ac20	5700	Ant1	100	0
NVNT	ac40	5510	Ant1	100	0
NVNT	ac40	5590	Ant1	100	0
NVNT	ac40	5670	Ant1	100	0
NVNT	ac80	5530	Ant1	100	0
NVNT	ac80	5610	Ant1	100	0
NVNT	n20	5500	Ant1	100	0
NVNT	n20	5600	Ant1	100	0
NVNT	n20	5700	Ant1	100	0
NVNT	n40	5510	Ant1	100	0
NVNT	n40	5590	Ant1	100	0
NVNT	n40	5670	Ant1	100	0

Test Graphs

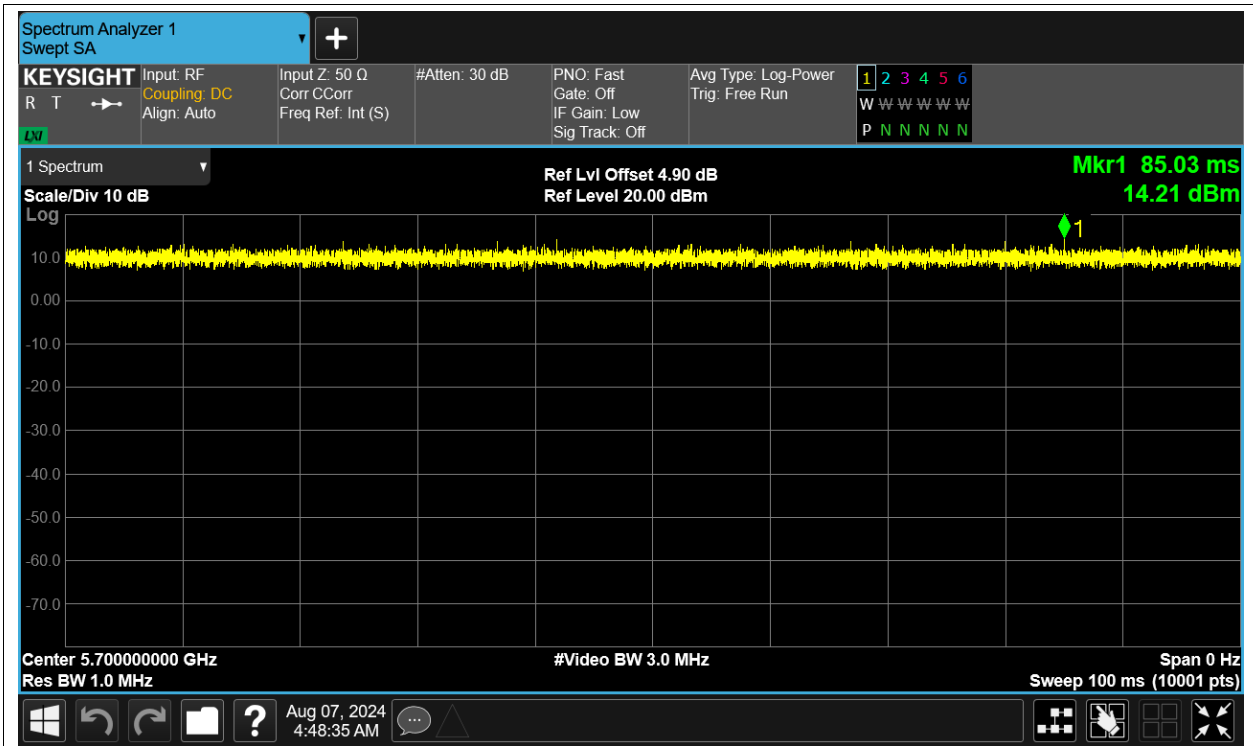
Duty Cycle NVNT a 5500MHz Ant1



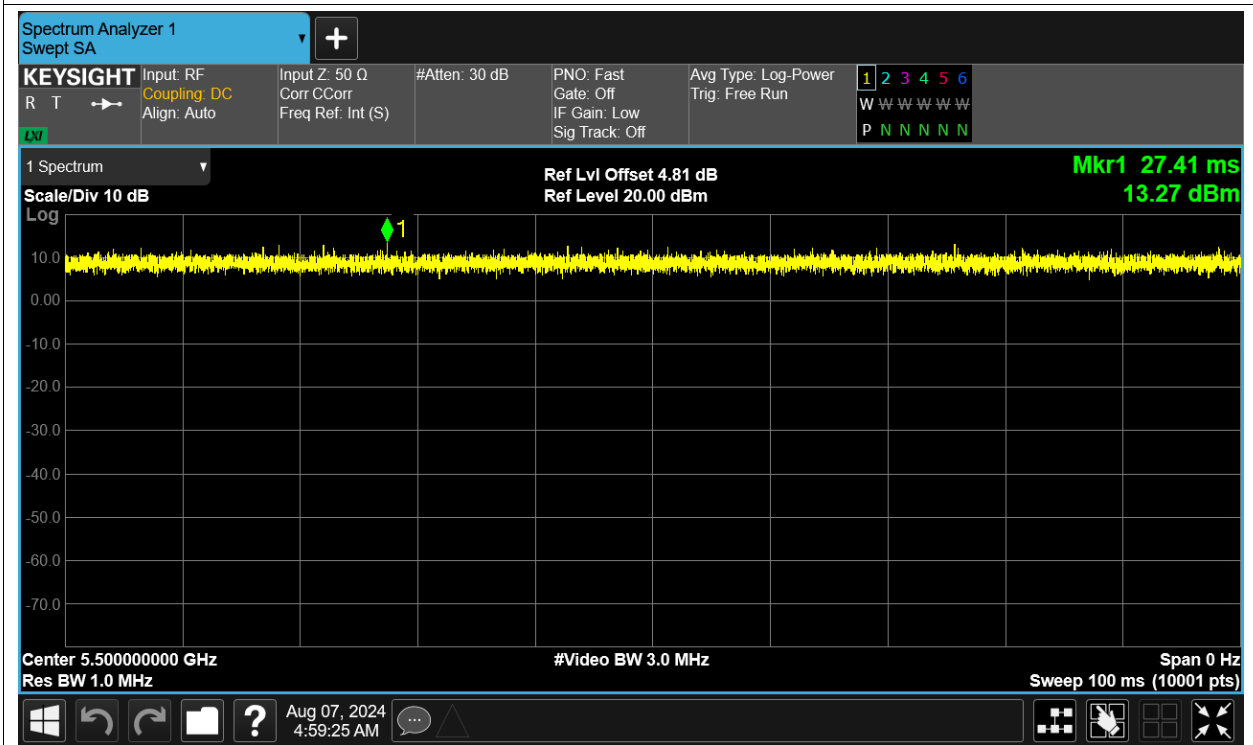
Duty Cycle NVNT a 5600MHz Ant1



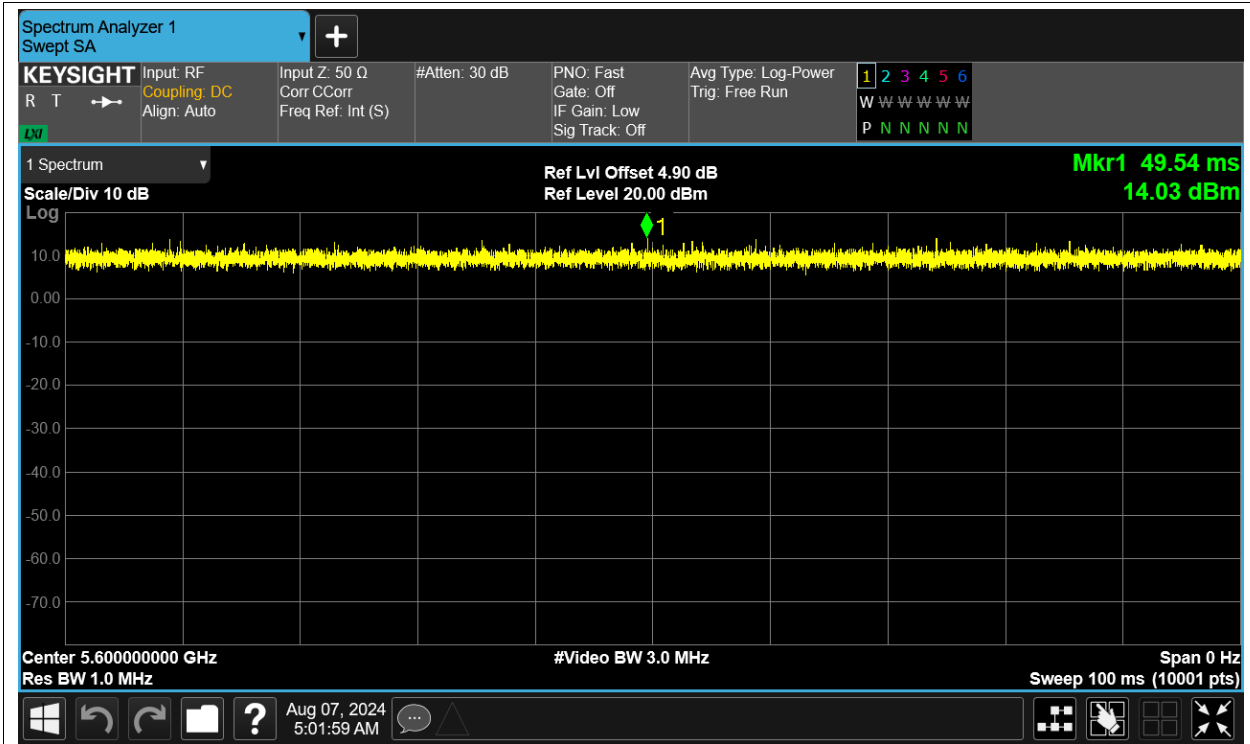
Duty Cycle NVNT a 5700MHz Ant1



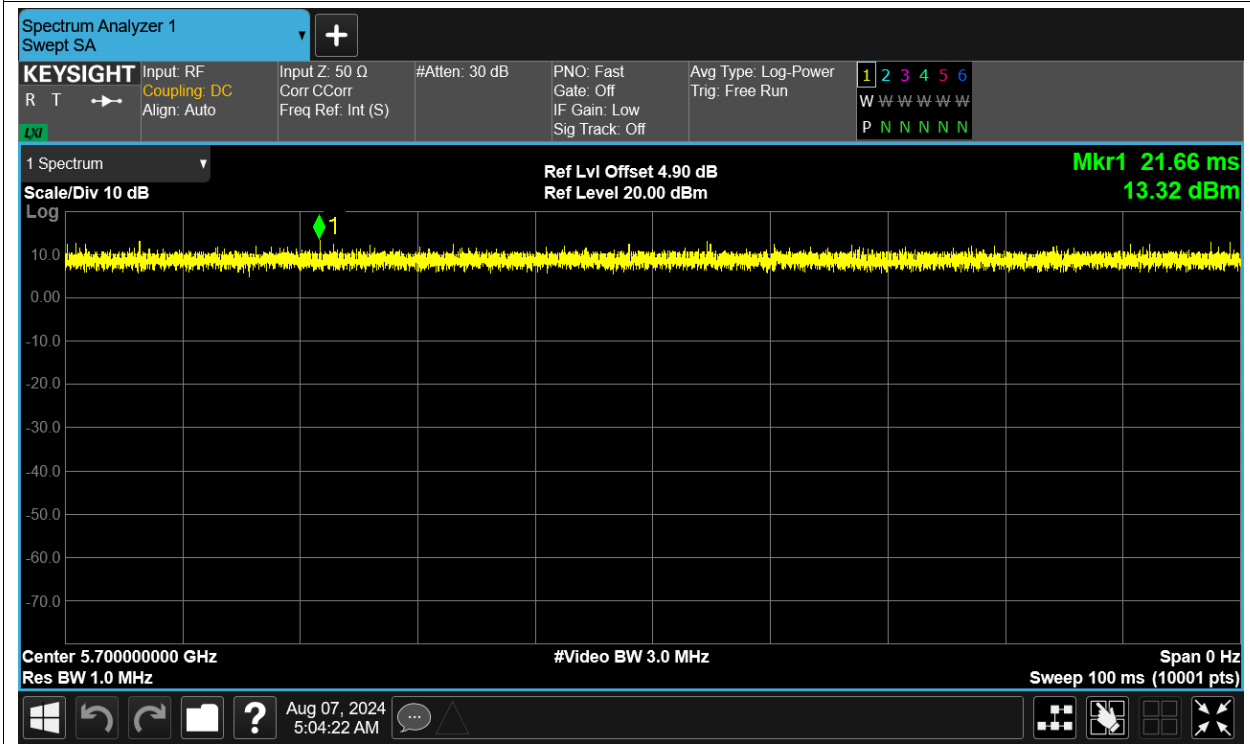
Duty Cycle NVNT ac20 5500MHz Ant1



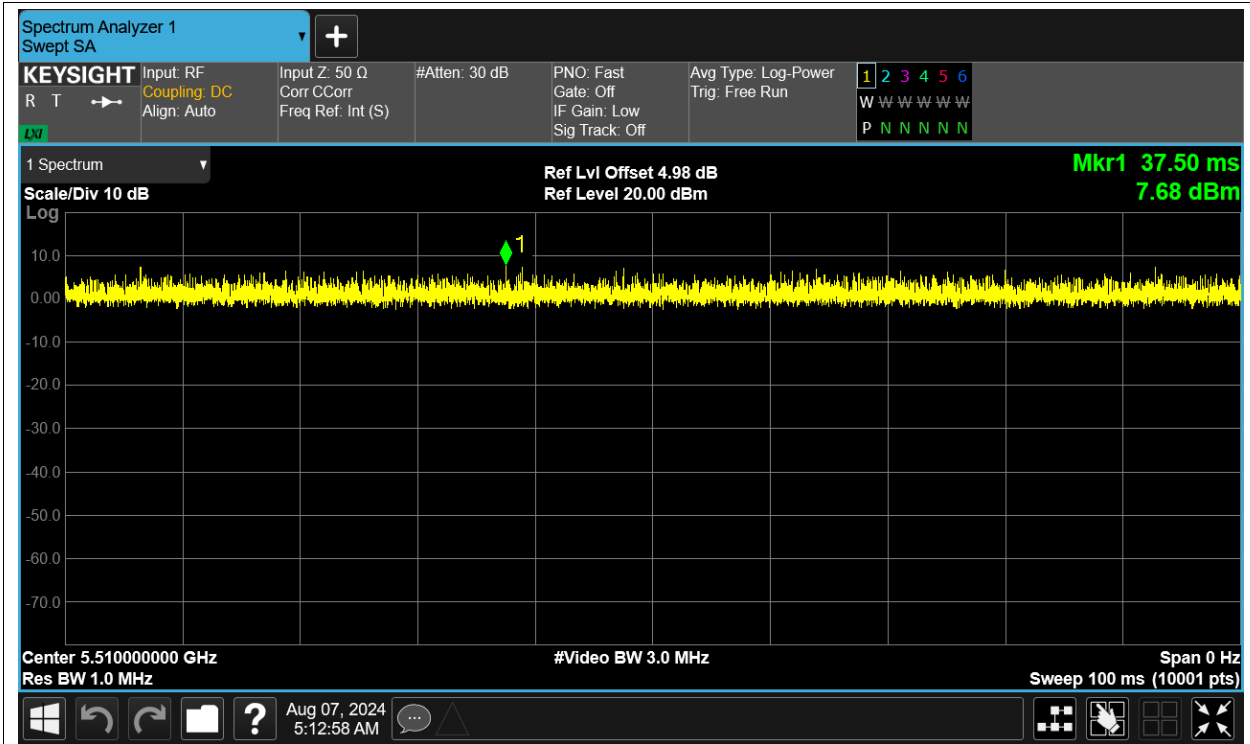
Duty Cycle NVNT ac20 5600MHz Ant1



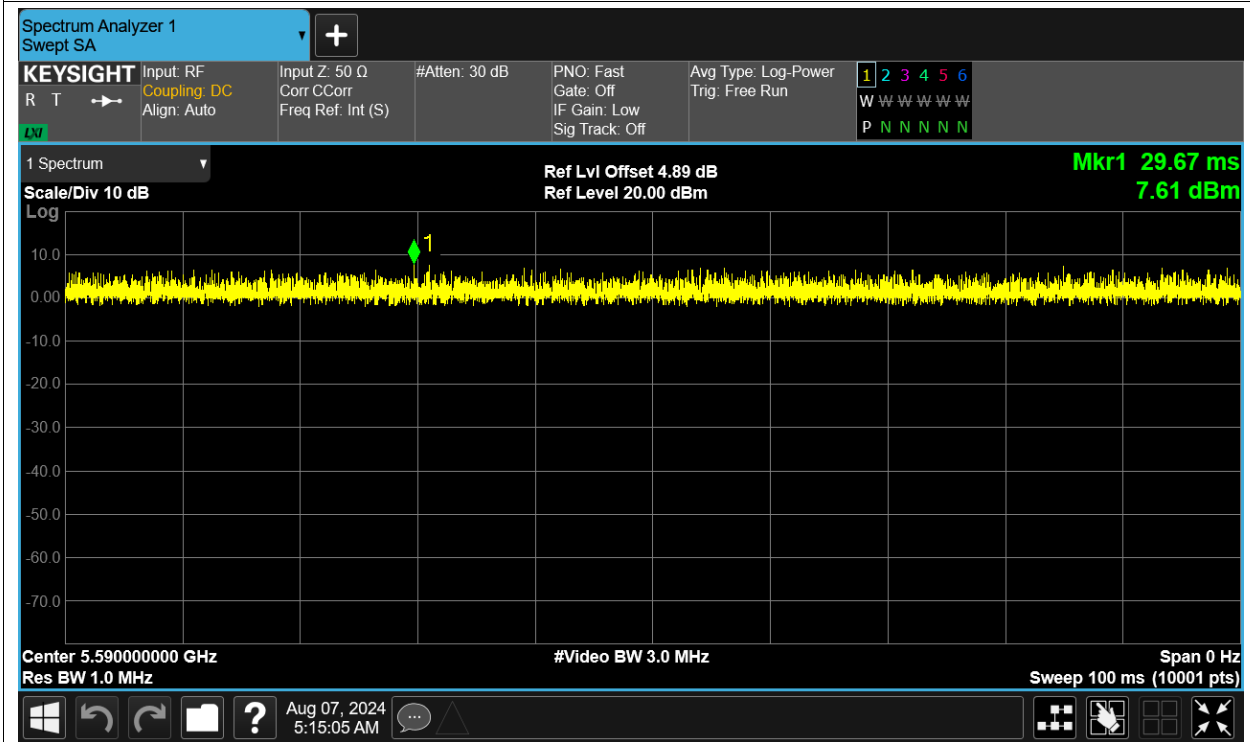
Duty Cycle NVNT ac20 5700MHz Ant1



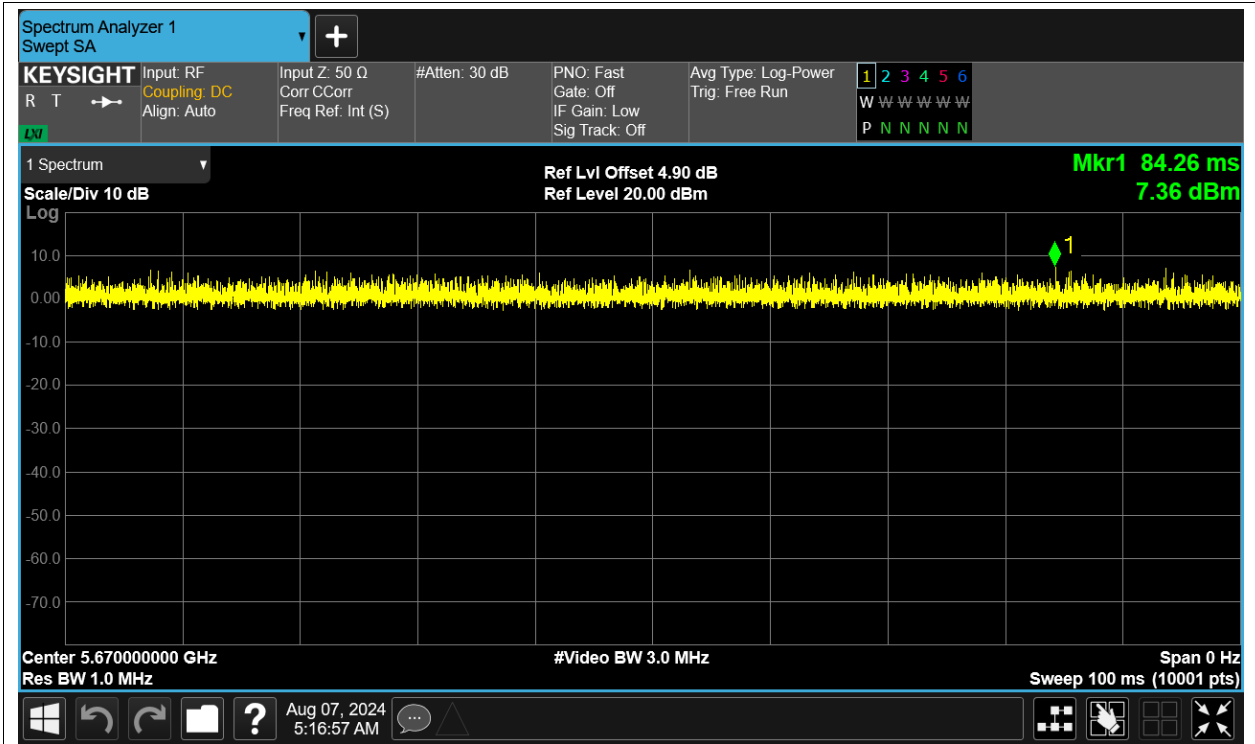
Duty Cycle NVNT ac40 5510MHz Ant1



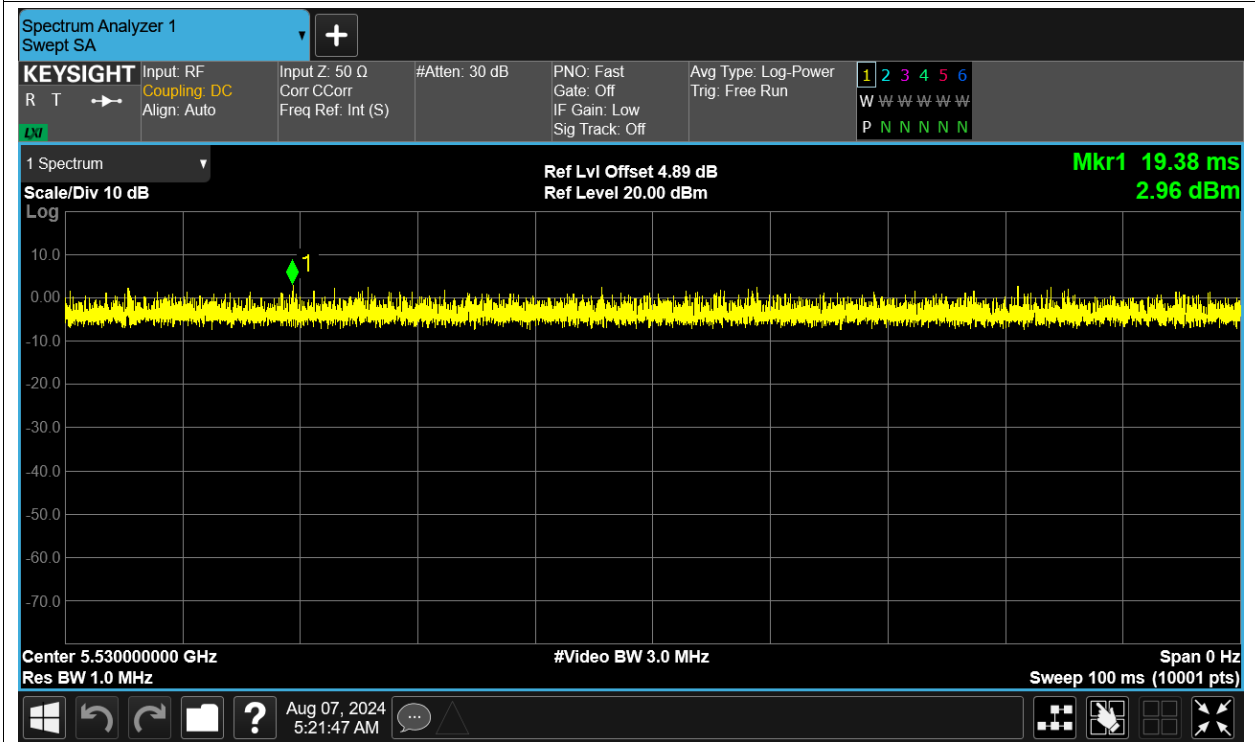
Duty Cycle NVNT ac40 5590MHz Ant1



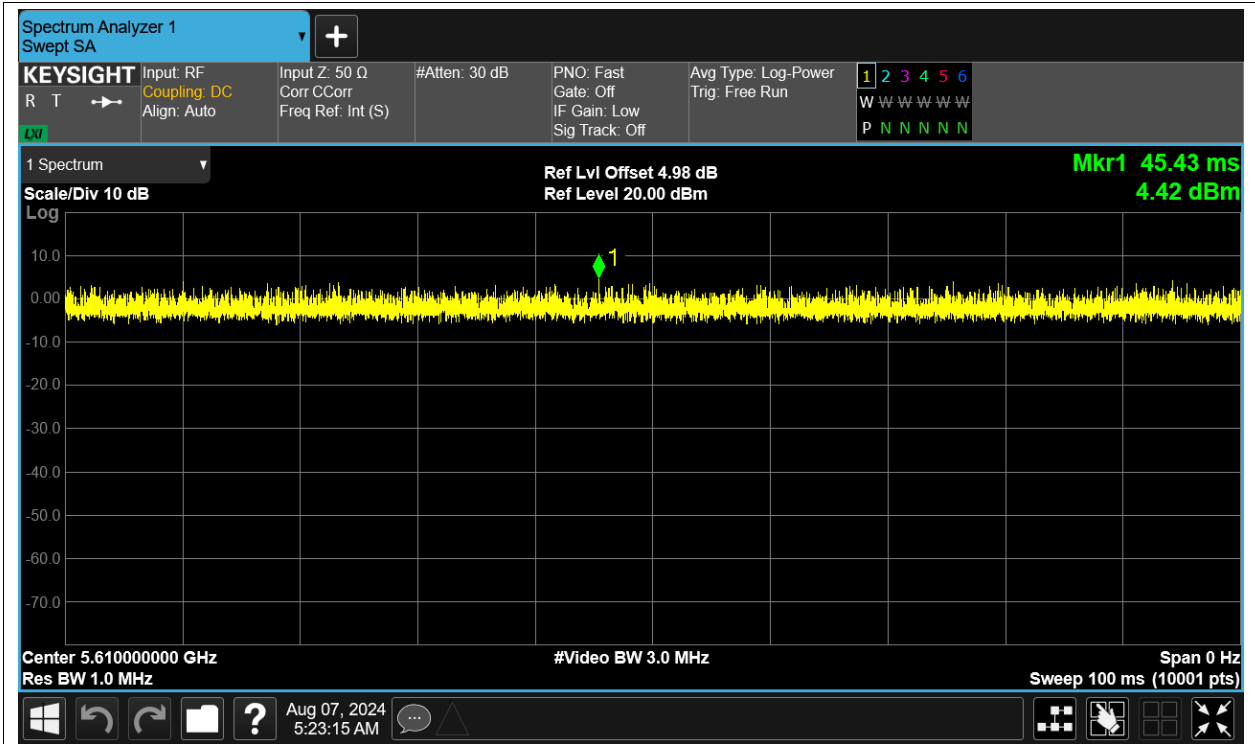
Duty Cycle NVNT ac40 5670MHz Ant1



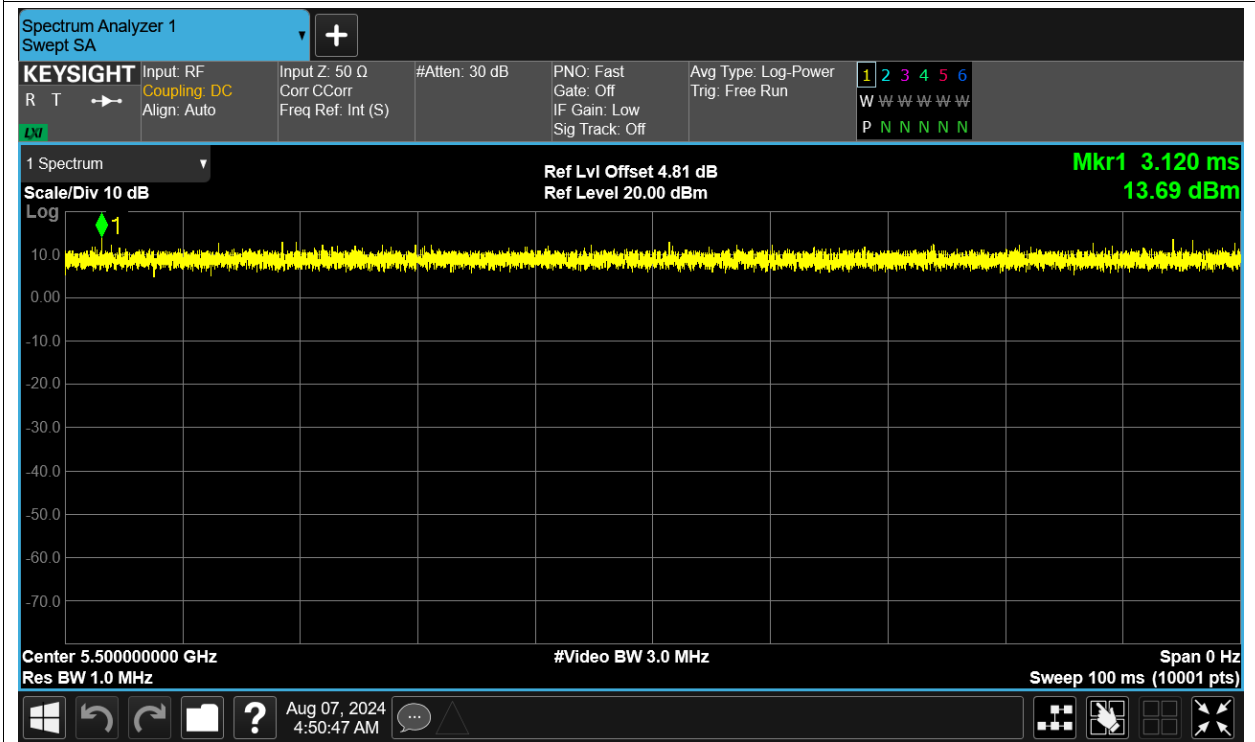
Duty Cycle NVNT ac80 5530MHz Ant1



Duty Cycle NVNT ac80 5610MHz Ant1

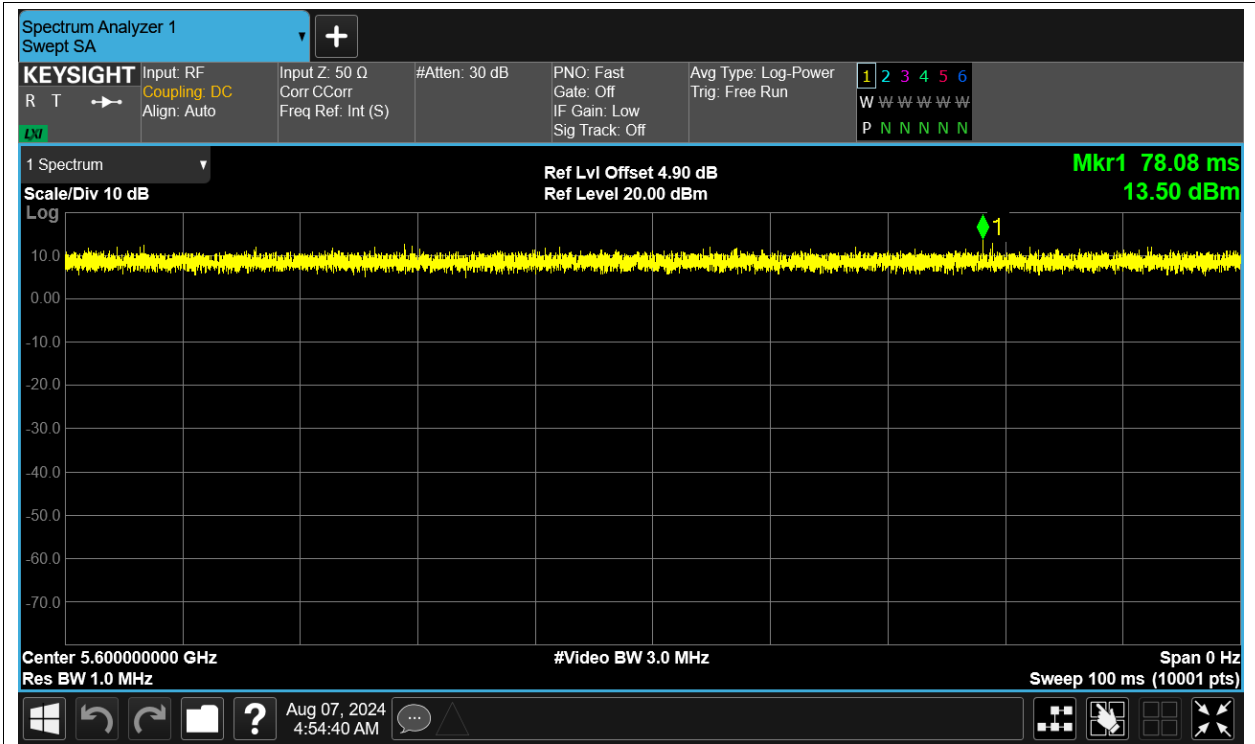


Duty Cycle NVNT n20 5500MHz Ant1

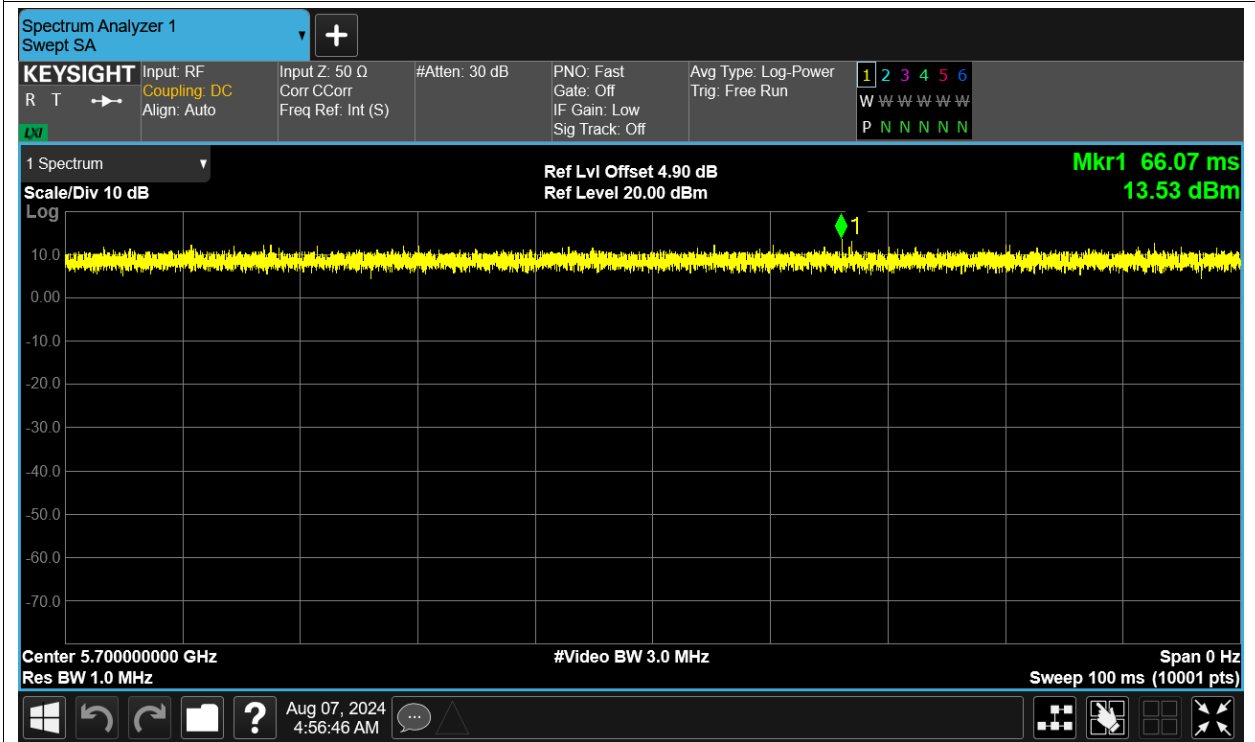


Duty Cycle NVNT n20 5600MHz Ant1

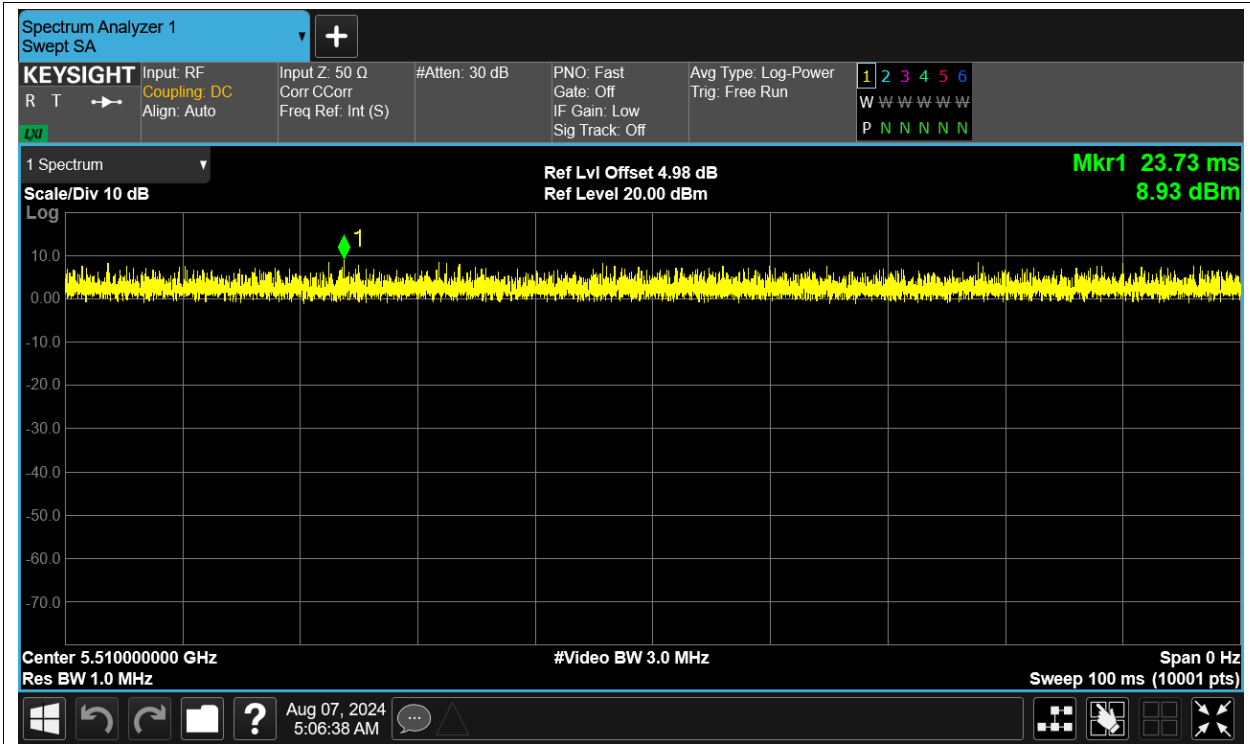




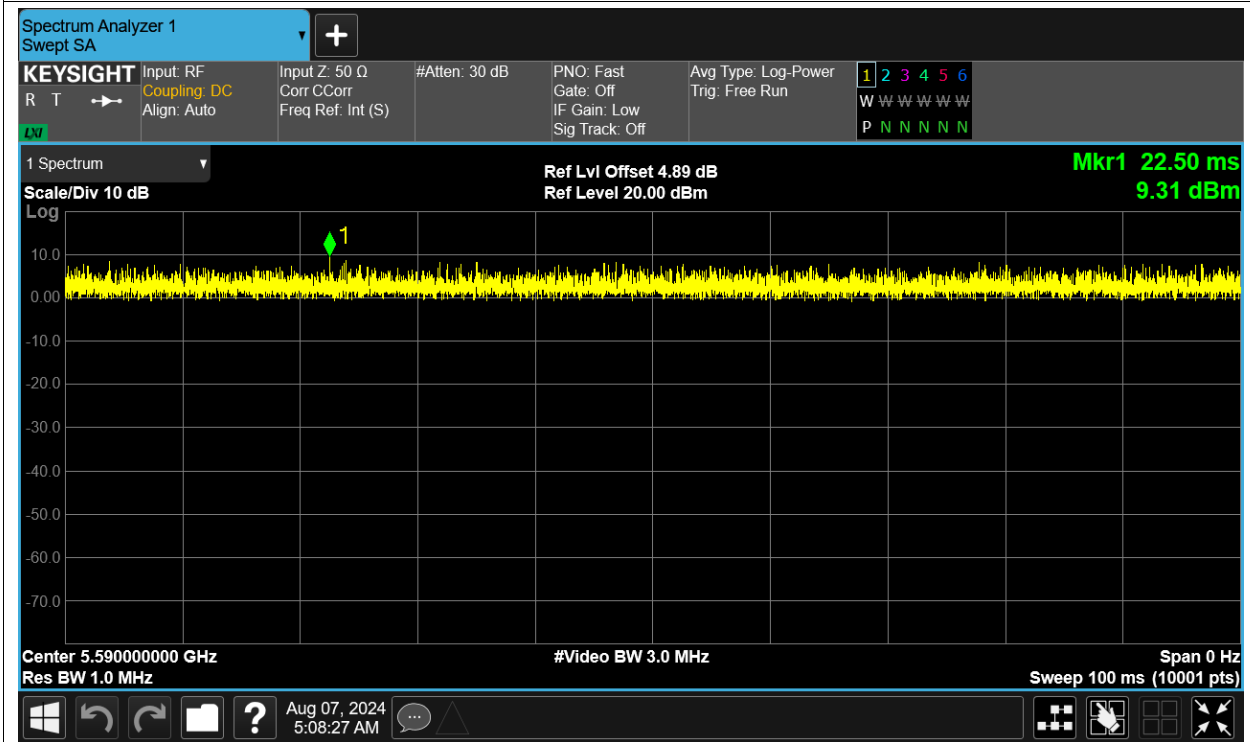
Duty Cycle NVNT n20 5700MHz Ant1



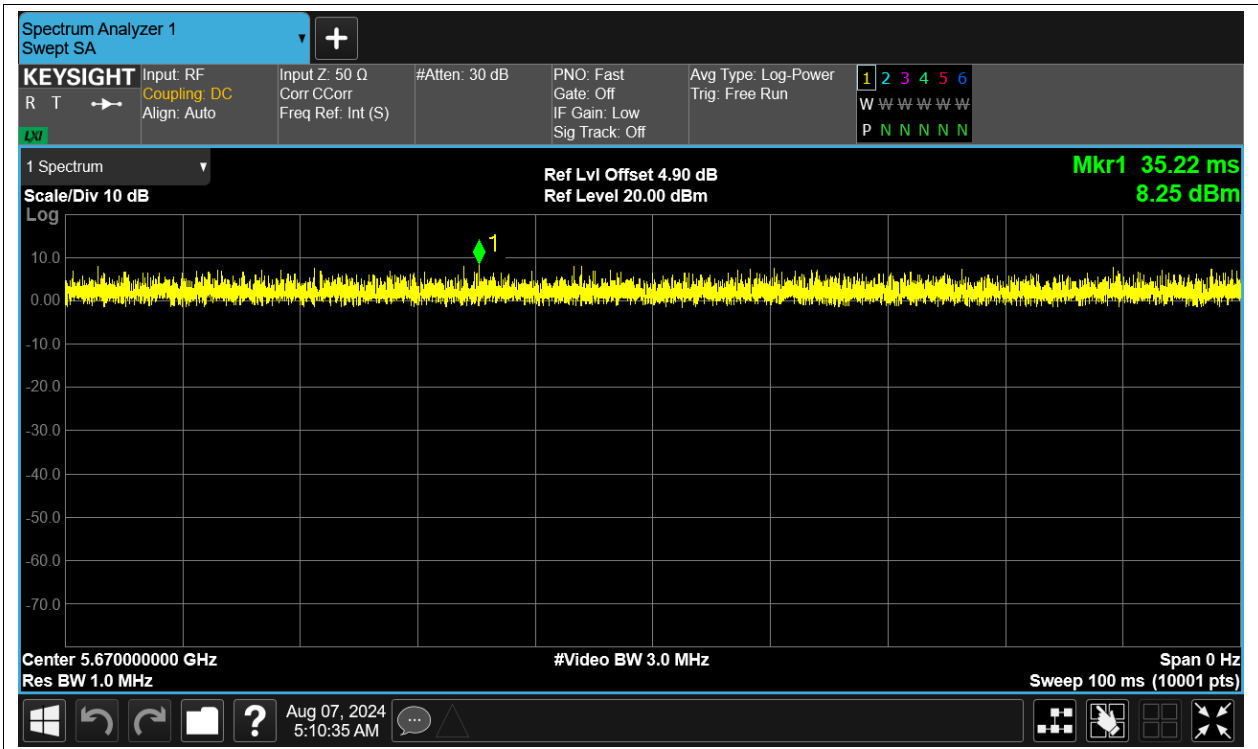
Duty Cycle NVNT n40 5510MHz Ant1



Duty Cycle NVNT n40 5590MHz Ant1



Duty Cycle NVNT n40 5670MHz Ant1



## Maximum Conducted Output Power

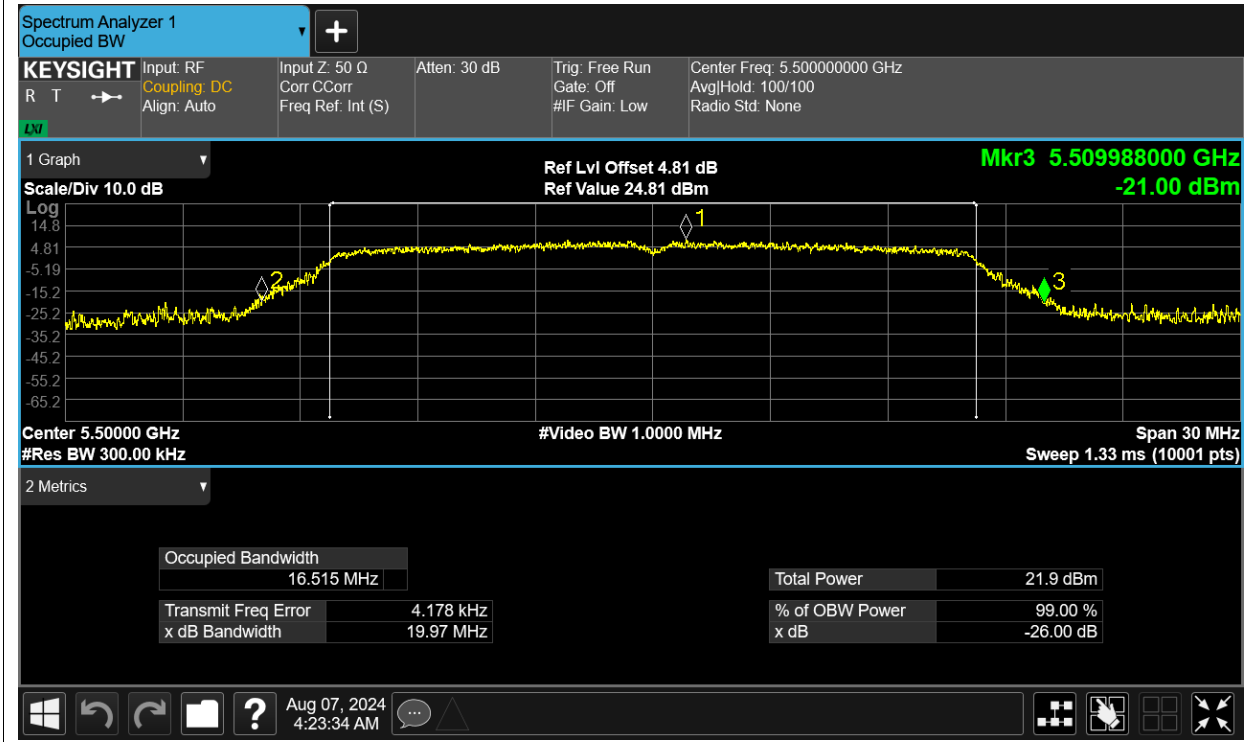
Condition	Mode	Frequency (MHz)	Antenna	Conducted Power (dBm)	Duty Factor (dB)	Total Power (dBm)	Limit (dBm)	Verdict
NVNT	a	5500	Ant1	12.21	0	12.21	24	Pass
NVNT	a	5600	Ant1	12.98	0	12.98	24	Pass
NVNT	a	5700	Ant1	12.05	0	12.05	24	Pass
NVNT	ac20	5500	Ant1	12.15	0	12.15	24	Pass
NVNT	ac20	5600	Ant1	12.94	0	12.94	24	Pass
NVNT	ac20	5700	Ant1	11.9	0	11.9	24	Pass
NVNT	ac40	5510	Ant1	8.52	0	8.52	24	Pass
NVNT	ac40	5590	Ant1	9	0	9	24	Pass
NVNT	ac40	5670	Ant1	9.09	0	9.09	24	Pass
NVNT	ac80	5530	Ant1	9.74	0	9.74	24	Pass
NVNT	ac80	5610	Ant1	9.6	0	9.6	24	Pass
NVNT	n20	5500	Ant1	12.27	0	12.27	24	Pass
NVNT	n20	5600	Ant1	12.95	0	12.95	24	Pass
NVNT	n20	5700	Ant1	12.01	0	12.01	24	Pass
NVNT	n40	5510	Ant1	8.73	0	8.73	24	Pass
NVNT	n40	5590	Ant1	9.44	0	9.44	24	Pass
NVNT	n40	5670	Ant1	8.76	0	8.76	24	Pass

## -26dB Bandwidth

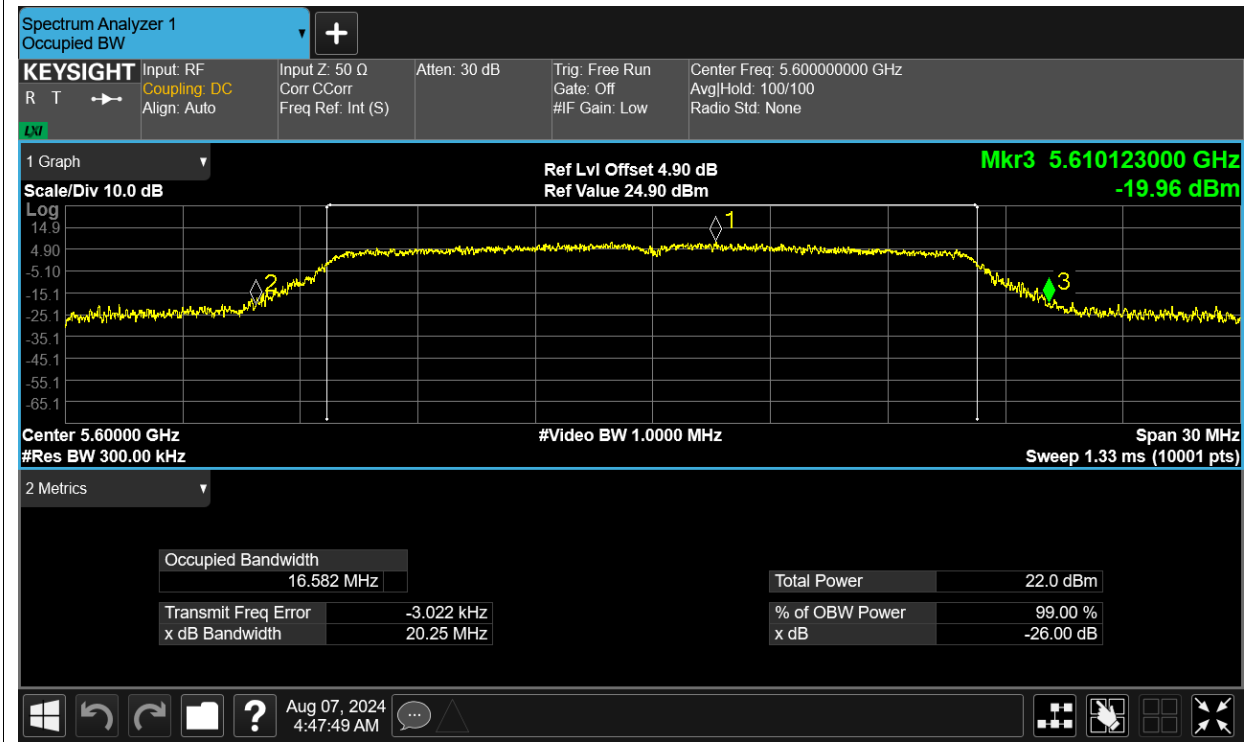
Condition	Mode	Frequency (MHz)	Antenna	-26 dB Bandwidth (MHz)
NVNT	a	5500	Ant1	19.968
NVNT	a	5600	Ant1	20.252
NVNT	a	5700	Ant1	20.077
NVNT	ac20	5500	Ant1	20.543
NVNT	ac20	5600	Ant1	20.332
NVNT	ac20	5700	Ant1	20.364
NVNT	ac40	5510	Ant1	39.567
NVNT	ac40	5590	Ant1	40.431
NVNT	ac40	5670	Ant1	40.175
NVNT	ac80	5530	Ant1	78.823
NVNT	ac80	5610	Ant1	78.898
NVNT	n20	5500	Ant1	20.475
NVNT	n20	5600	Ant1	20.178
NVNT	n20	5700	Ant1	20.48
NVNT	n40	5510	Ant1	39.697
NVNT	n40	5590	Ant1	39.616
NVNT	n40	5670	Ant1	39.807

Test Graphs

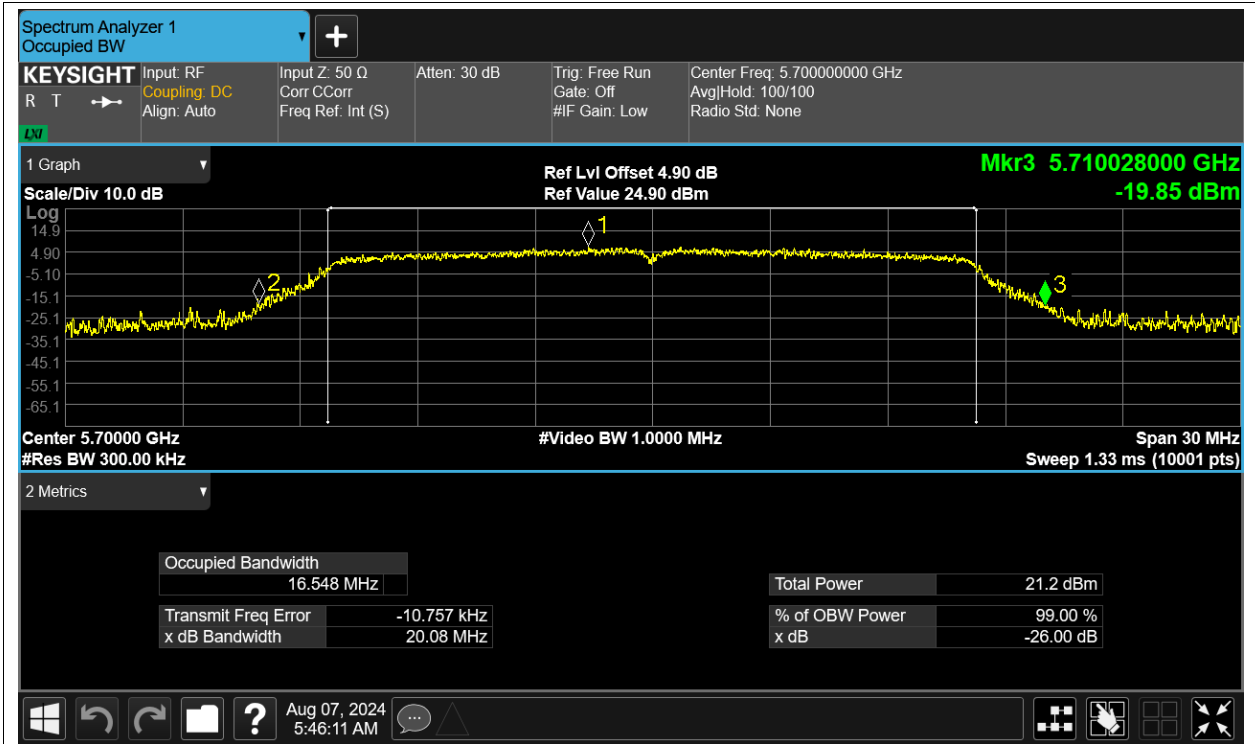
-26dB Bandwidth NVNT a 5500MHz Ant1



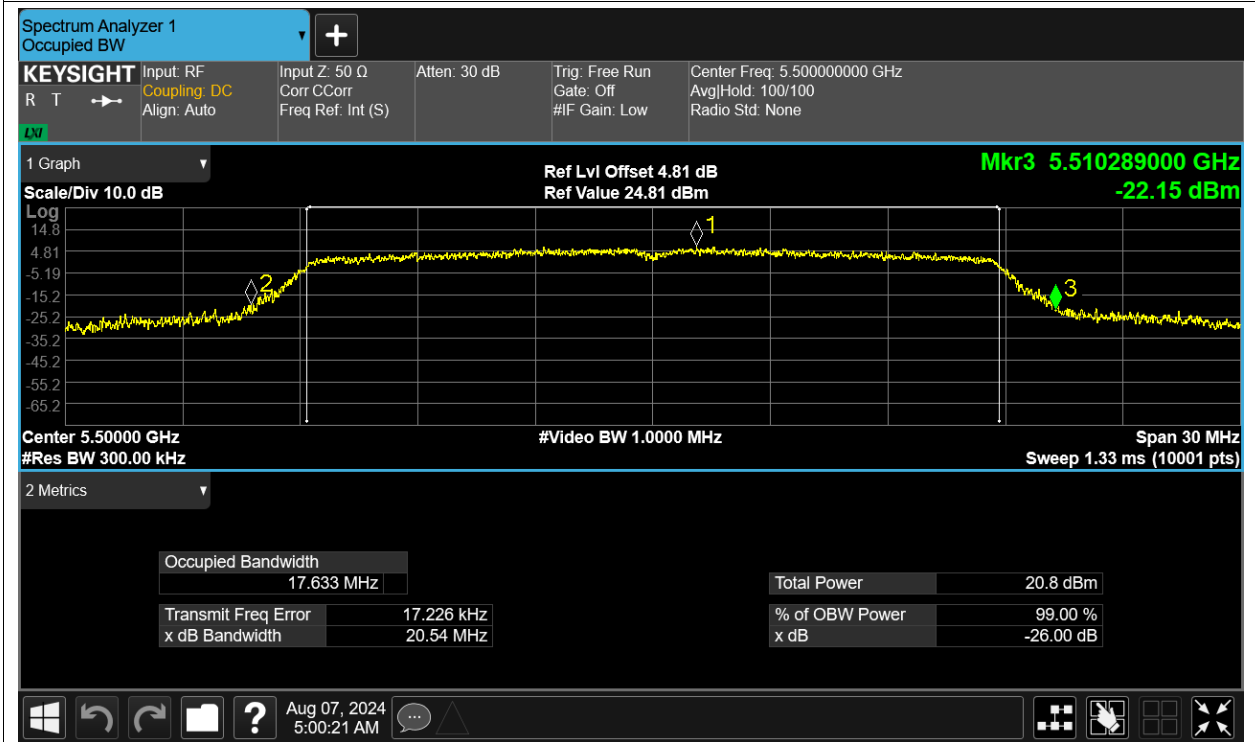
-26dB Bandwidth NVNT a 5600MHz Ant1



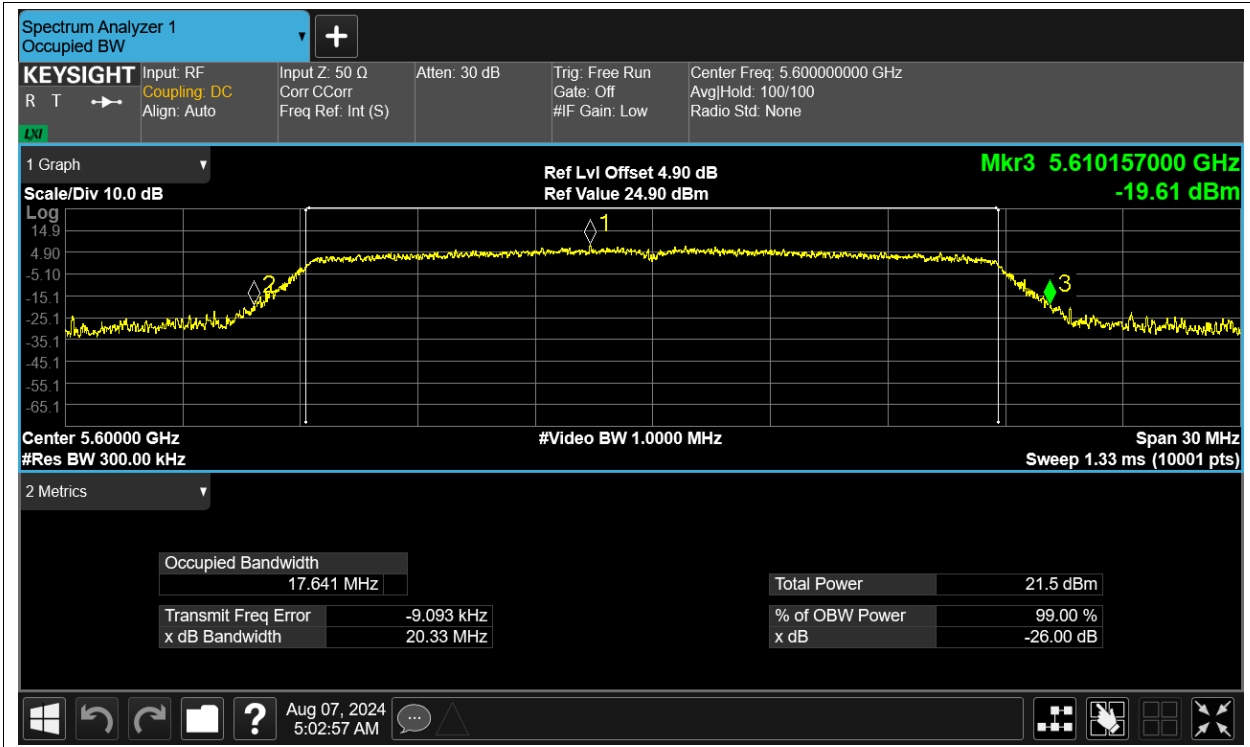
-26dB Bandwidth NVNT a 5700MHz Ant1



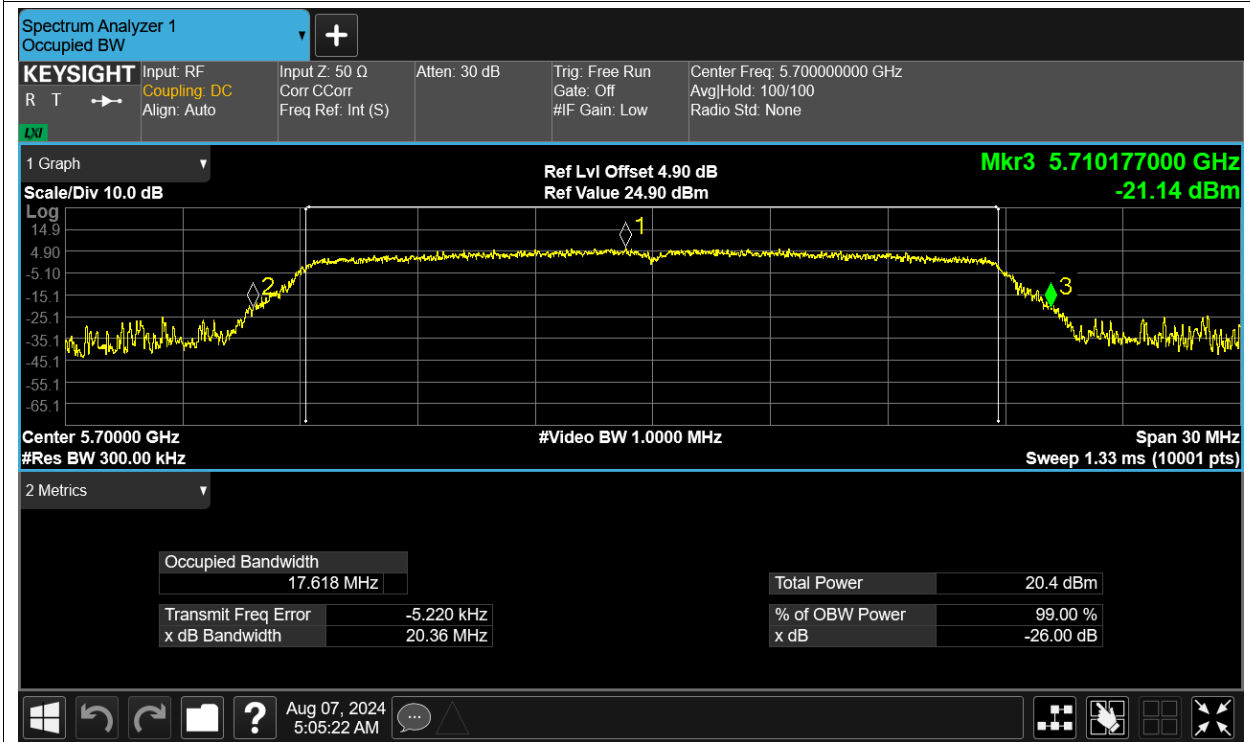
-26dB Bandwidth NVNT ac20 5500MHz Ant1



-26dB Bandwidth NVNT ac20 5600MHz Ant1

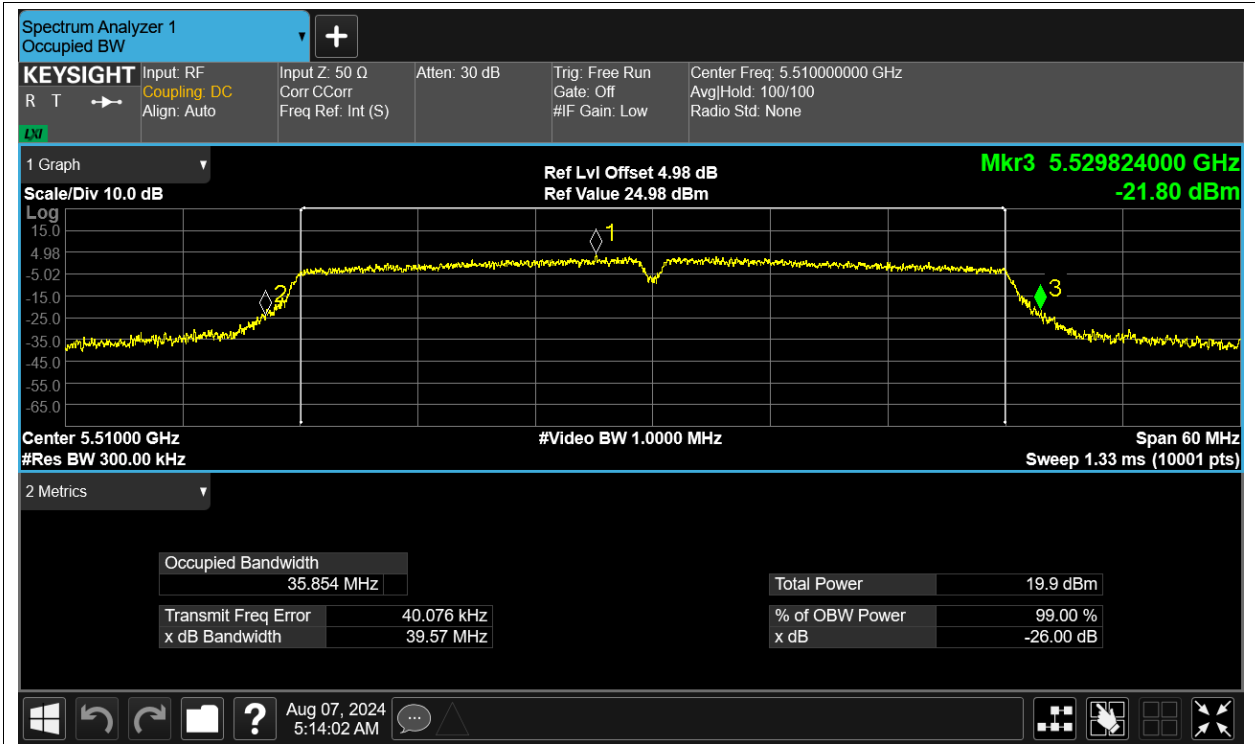


-26dB Bandwidth NVNT ac20 5700MHz Ant1

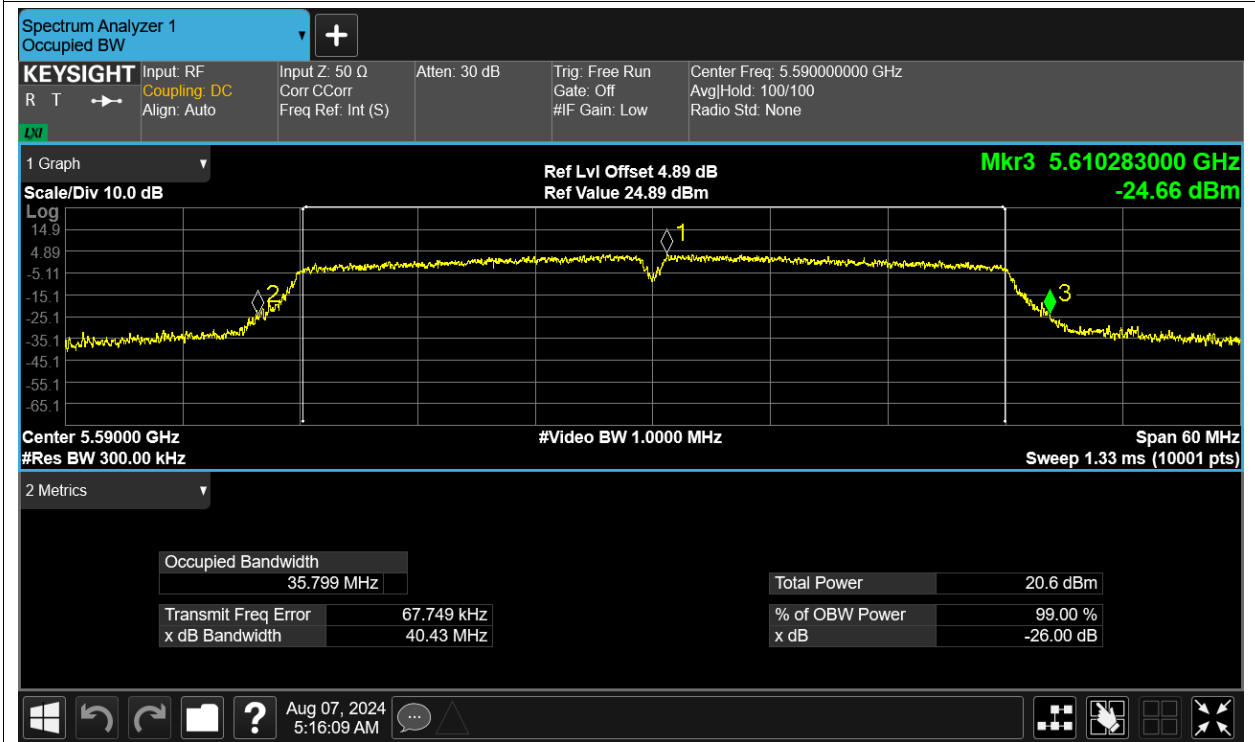


-26dB Bandwidth NVNT ac40 5510MHz Ant1

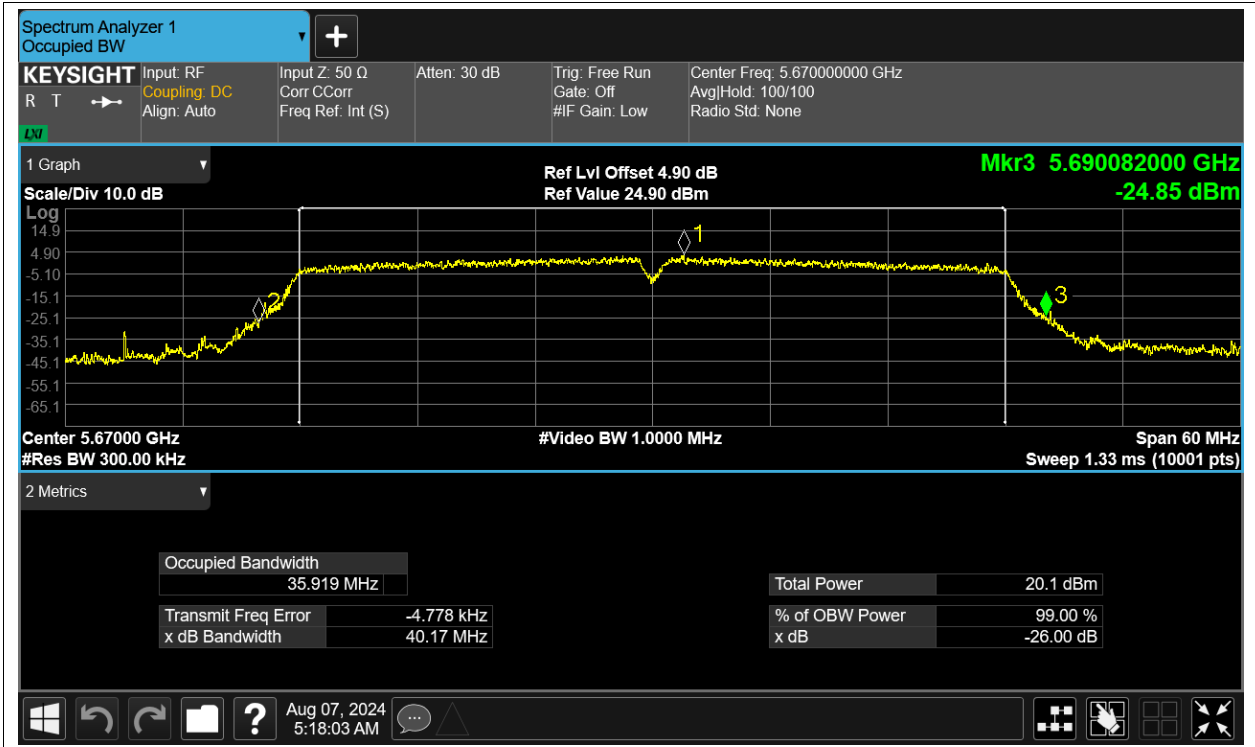




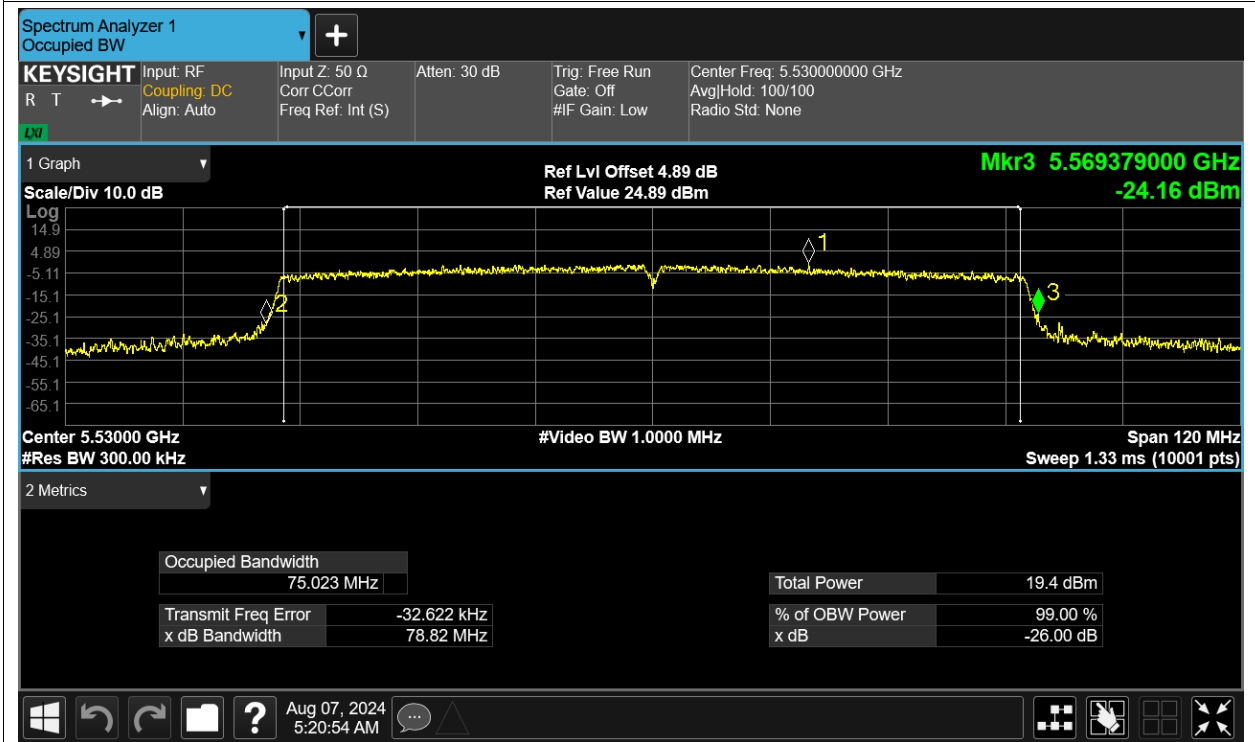
-26dB Bandwidth NVNT ac40 5590MHz Ant1



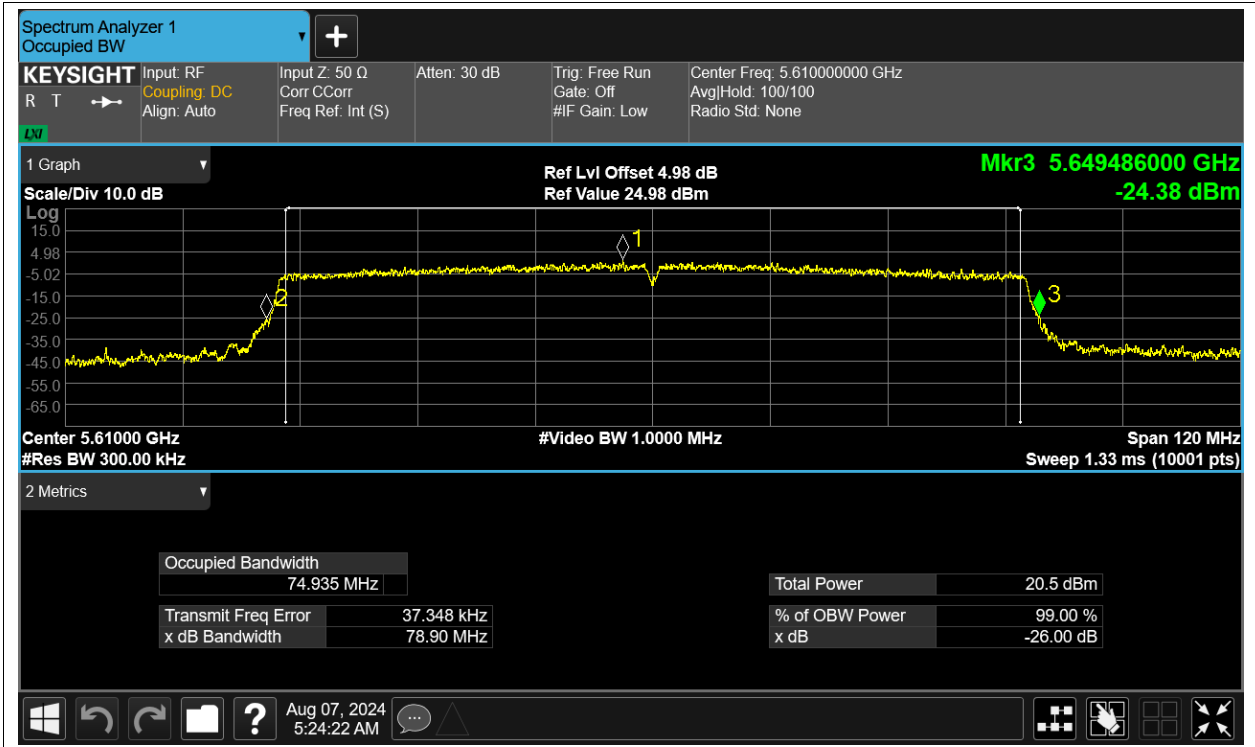
-26dB Bandwidth NVNT ac40 5670MHz Ant1



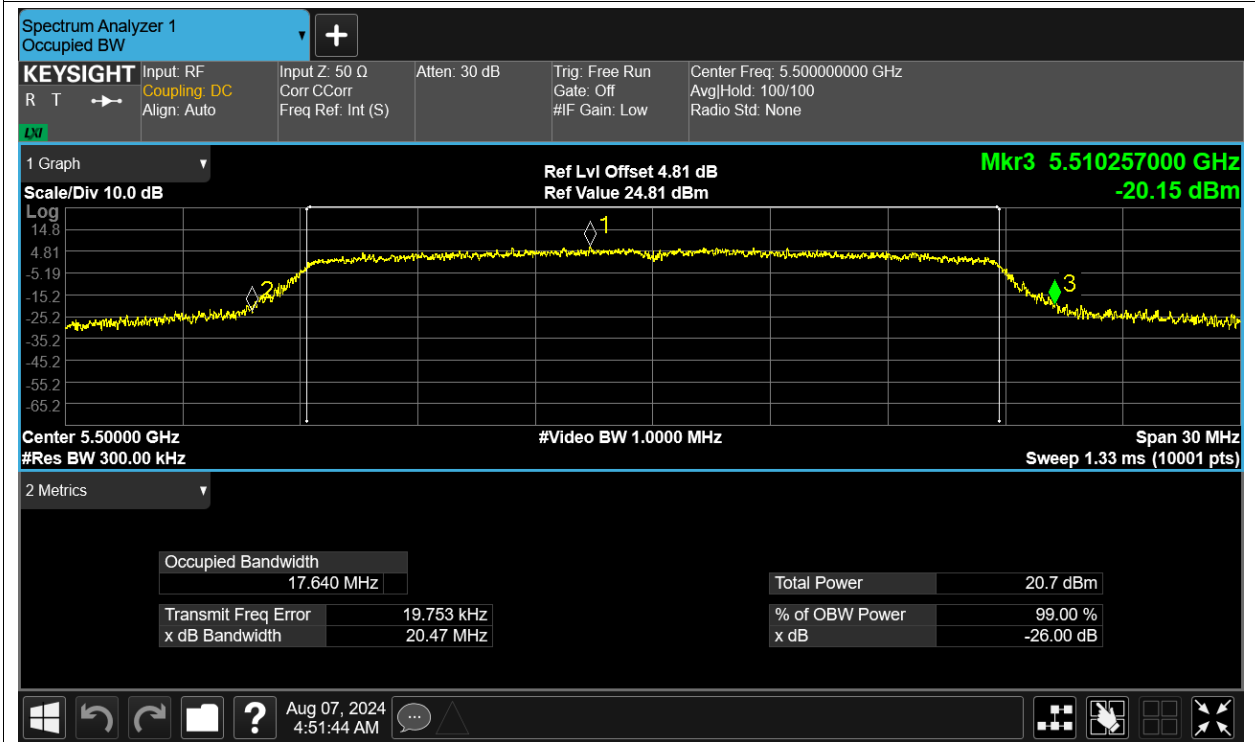
-26dB Bandwidth NVNT ac80 5530MHz Ant1



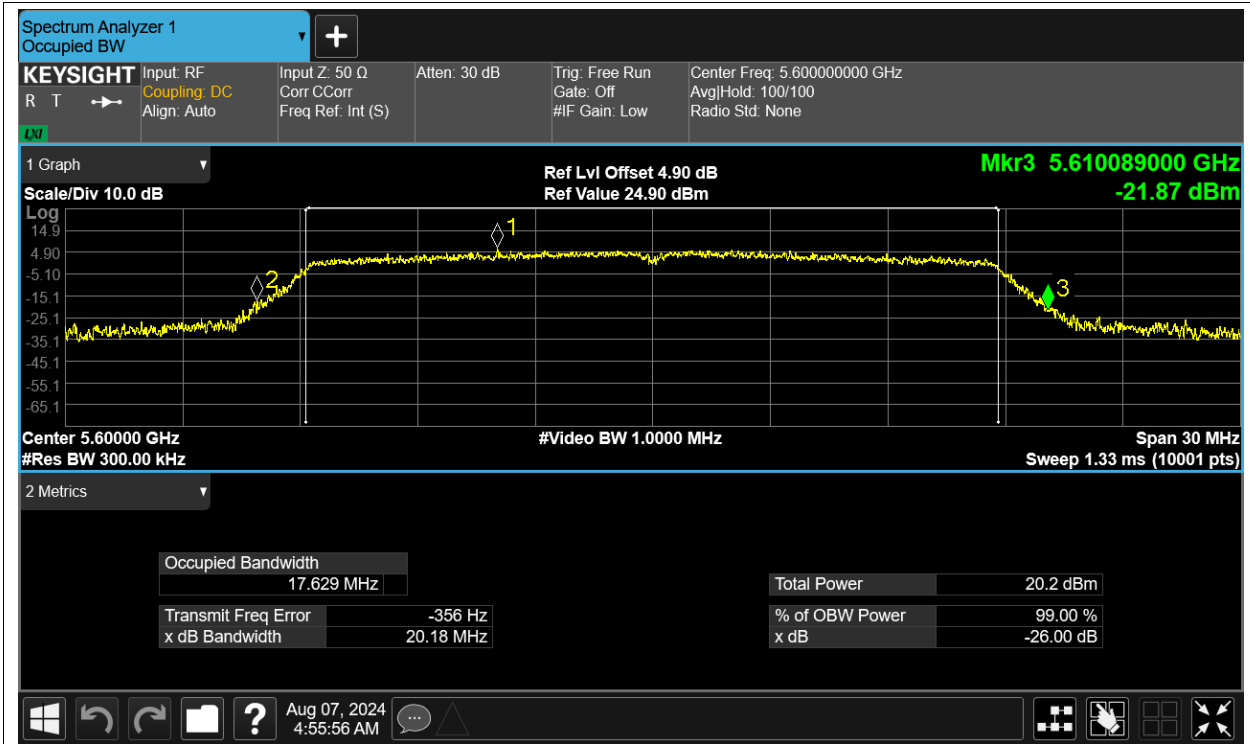
-26dB Bandwidth NVNT ac80 5610MHz Ant1



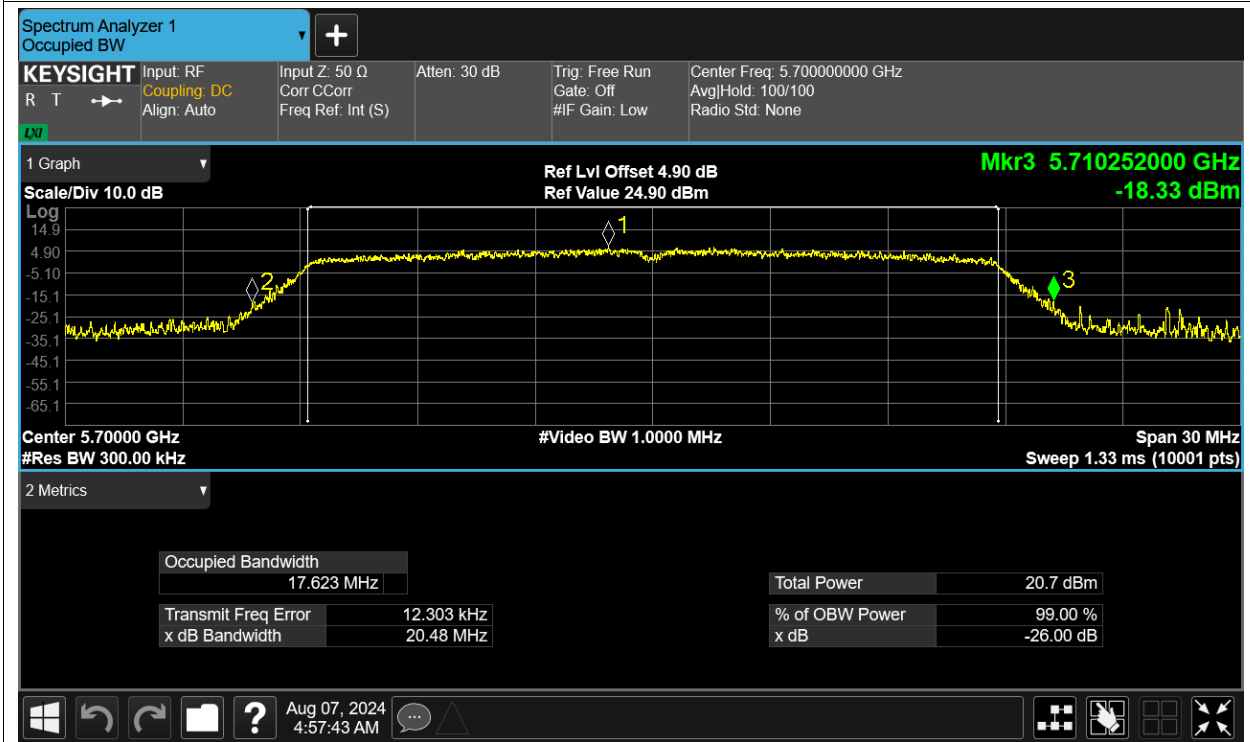
-26dB Bandwidth NVNT n20 5500MHz Ant1



-26dB Bandwidth NVNT n20 5600MHz Ant1



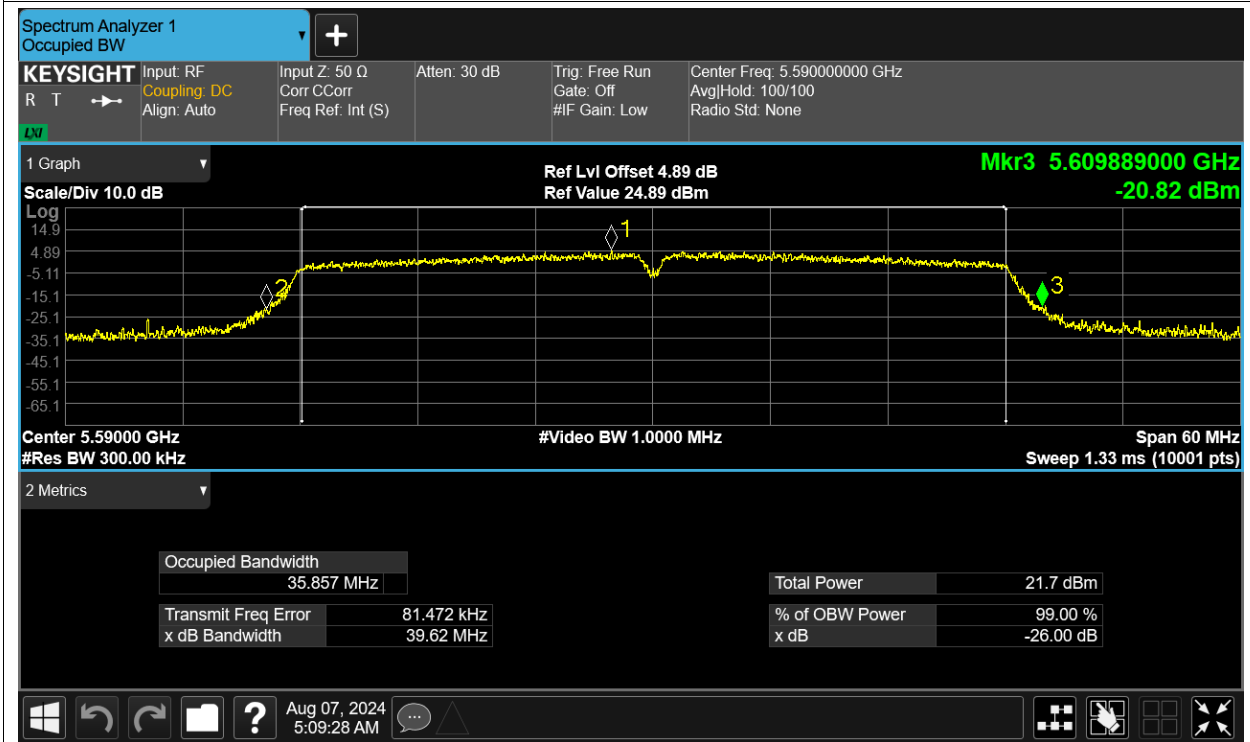
-26dB Bandwidth NVNT n20 5700MHz Ant1



-26dB Bandwidth NVNT n40 5510MHz Ant1



-26dB Bandwidth NVNT n40 5590MHz Ant1



-26dB Bandwidth NVNT n40 5670MHz Ant1

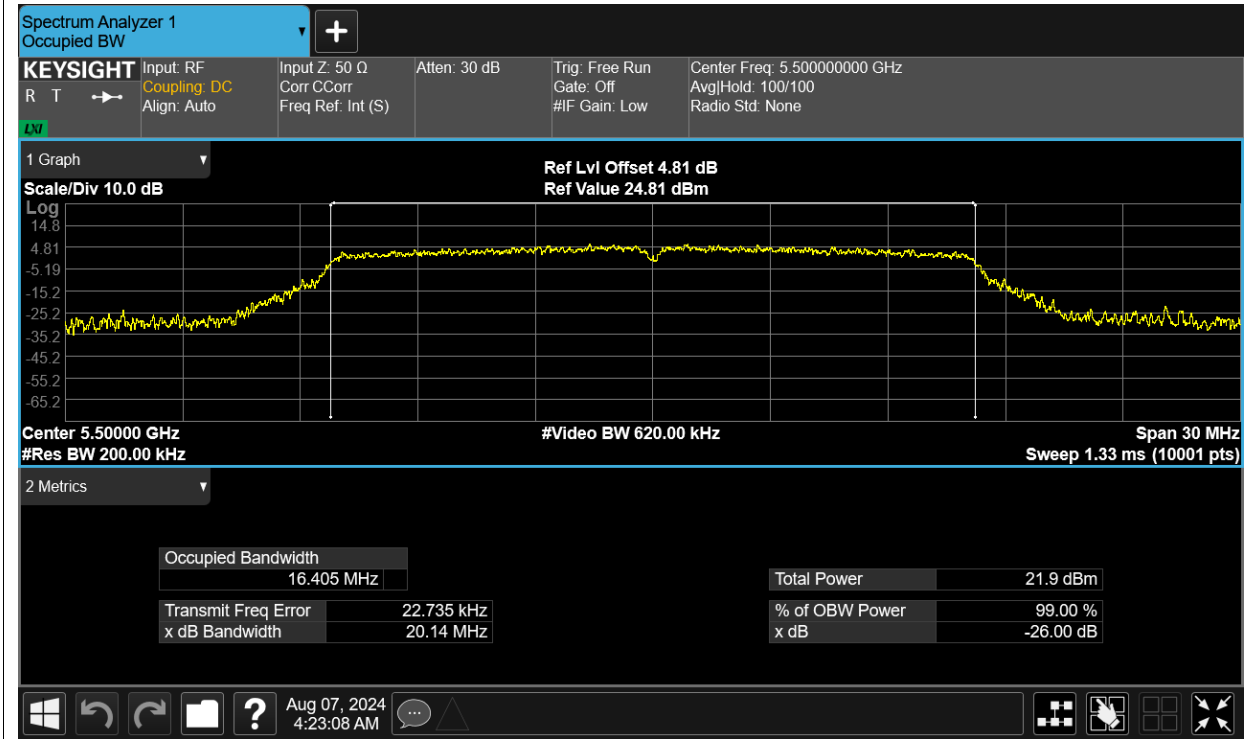


## Occupied Channel Bandwidth

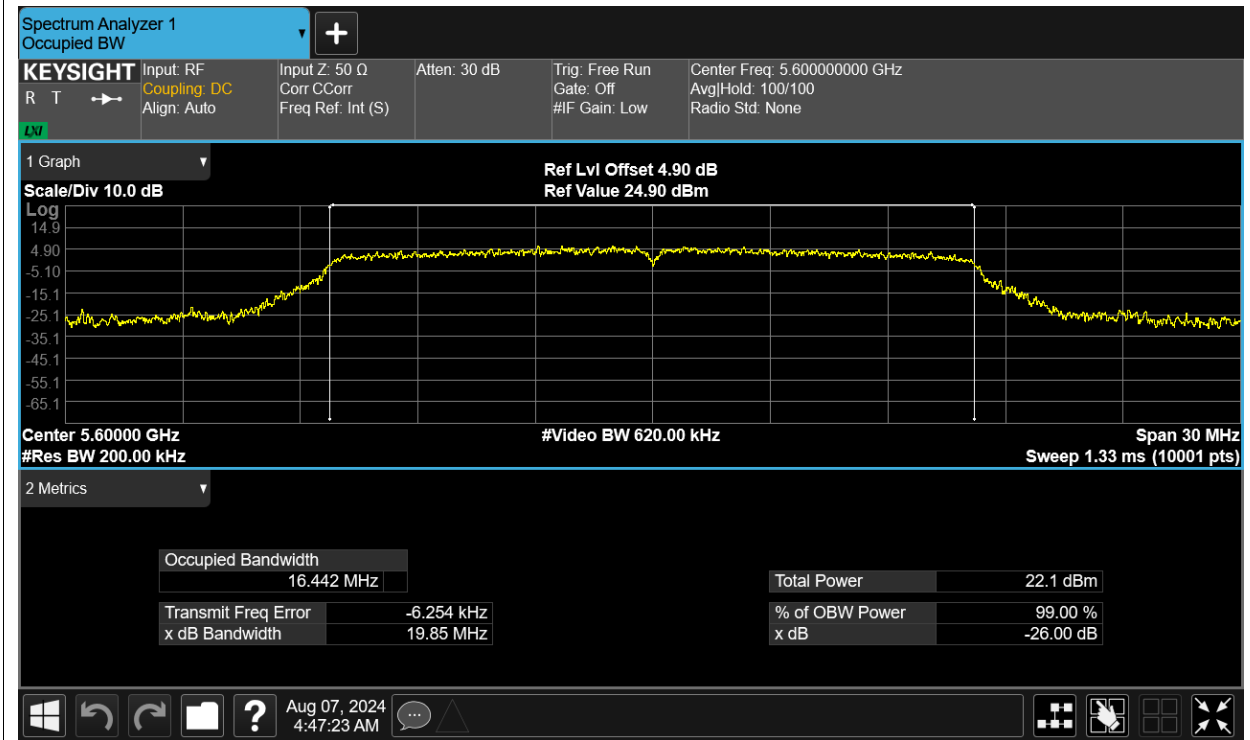
Condition	Mode	Frequency (MHz)	Antenna	99% OBW (MHz)
NVNT	a	5500	Ant1	16.405
NVNT	a	5600	Ant1	16.442
NVNT	a	5700	Ant1	16.38
NVNT	ac20	5500	Ant1	17.556
NVNT	ac20	5600	Ant1	17.56
NVNT	ac20	5700	Ant1	17.56
NVNT	ac40	5510	Ant1	35.923
NVNT	ac40	5590	Ant1	35.904
NVNT	ac40	5670	Ant1	35.956
NVNT	ac80	5530	Ant1	75.048
NVNT	ac80	5610	Ant1	74.941
NVNT	n20	5500	Ant1	17.555
NVNT	n20	5600	Ant1	17.57
NVNT	n20	5700	Ant1	17.54
NVNT	n40	5510	Ant1	35.905
NVNT	n40	5590	Ant1	35.911
NVNT	n40	5670	Ant1	35.966

Test Graphs

OBW NVNT a 5500MHz Ant1

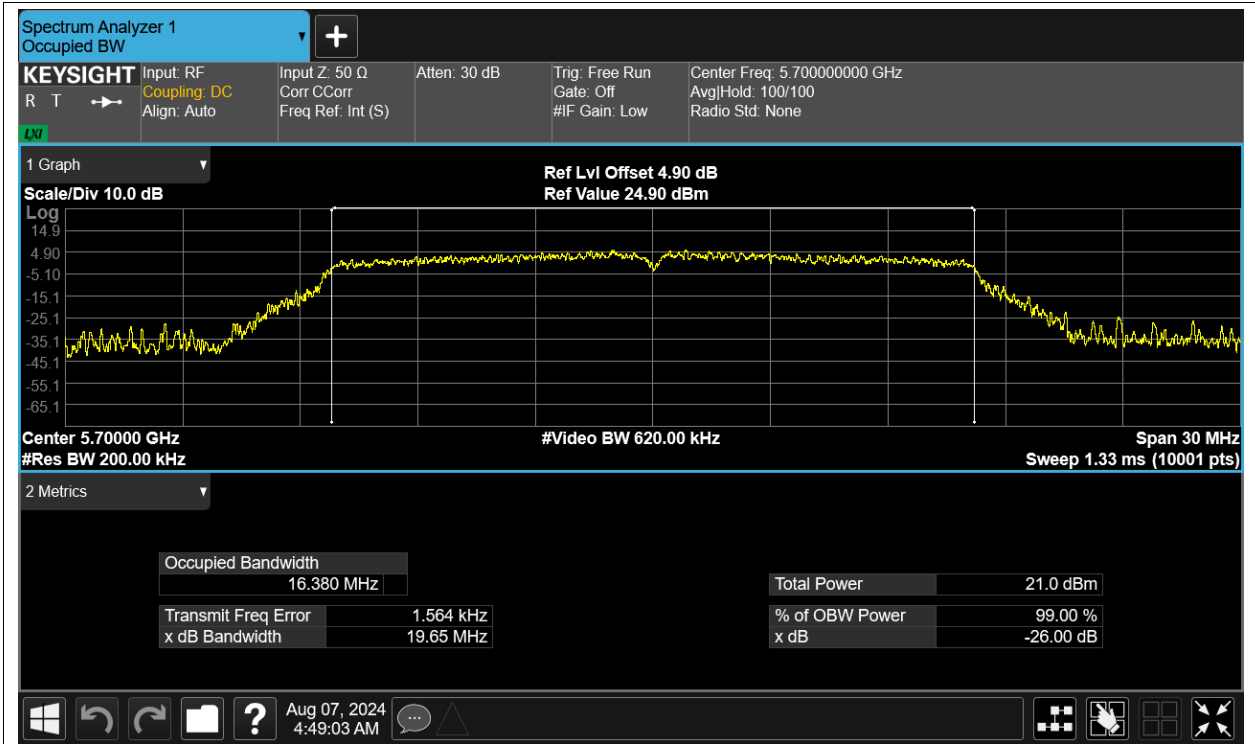


OBW NVNT a 5600MHz Ant1

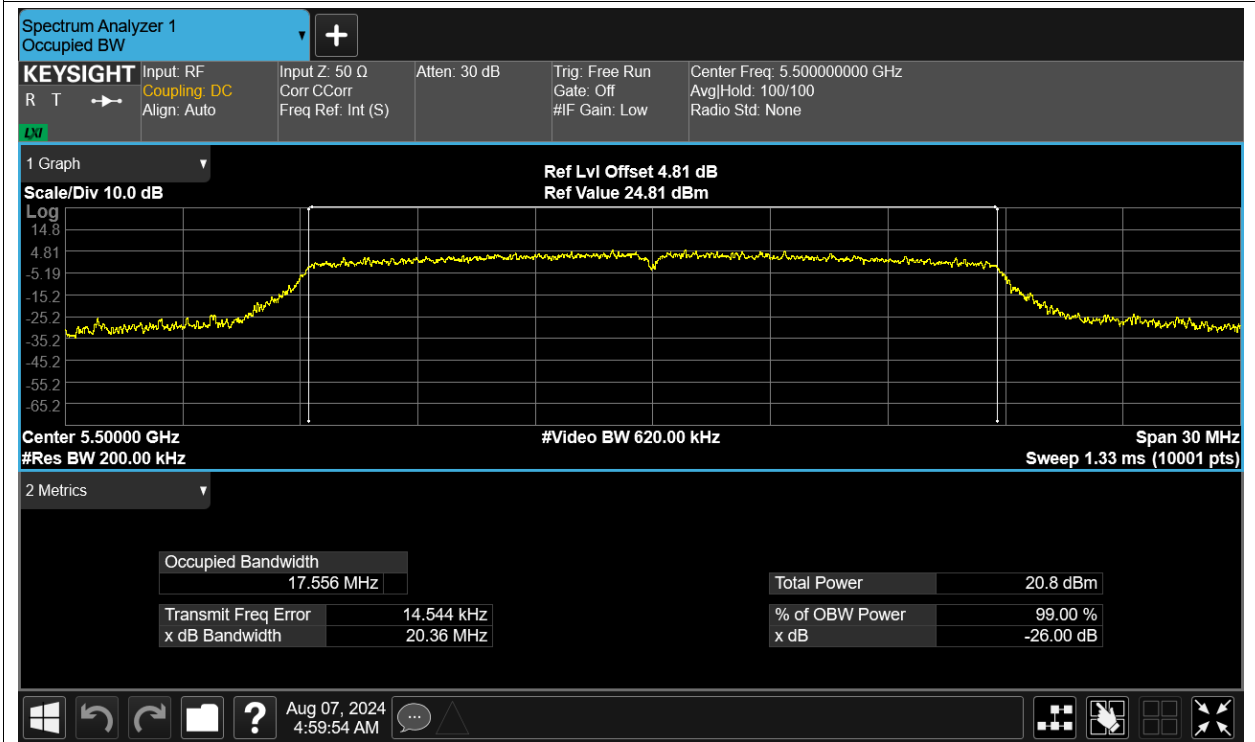


OBW NVNT a 5700MHz Ant1

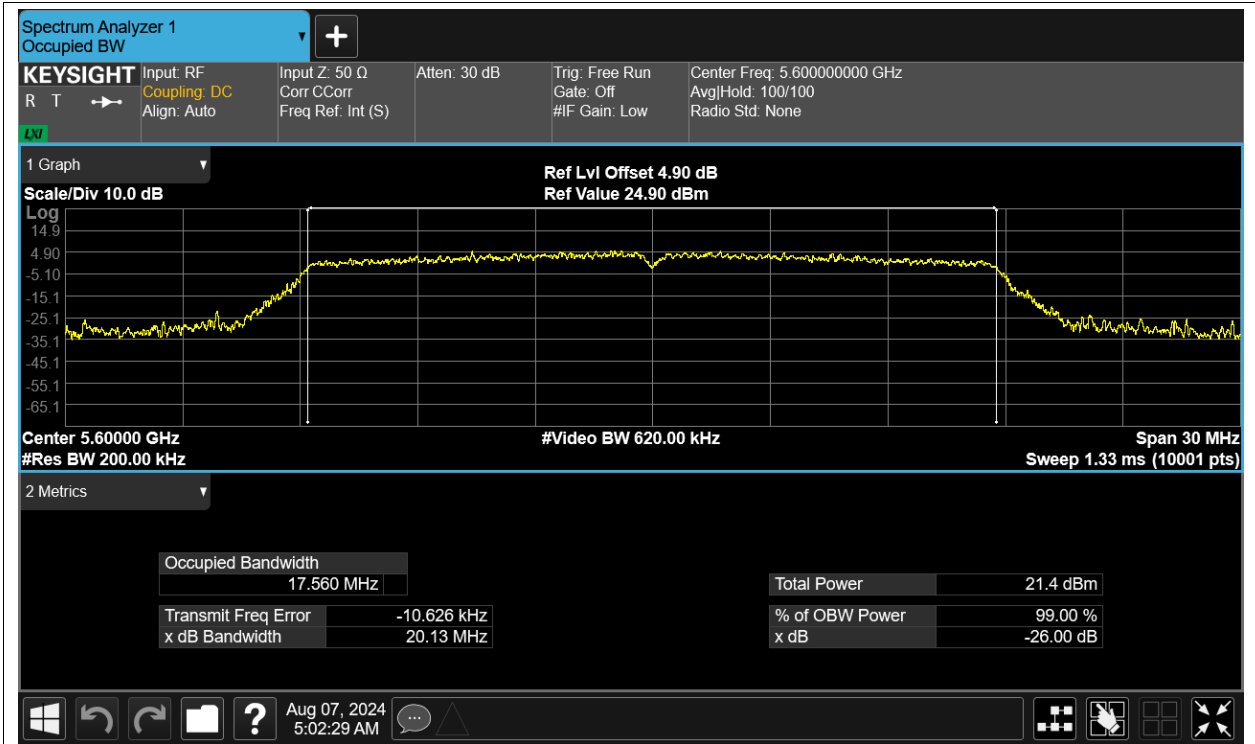




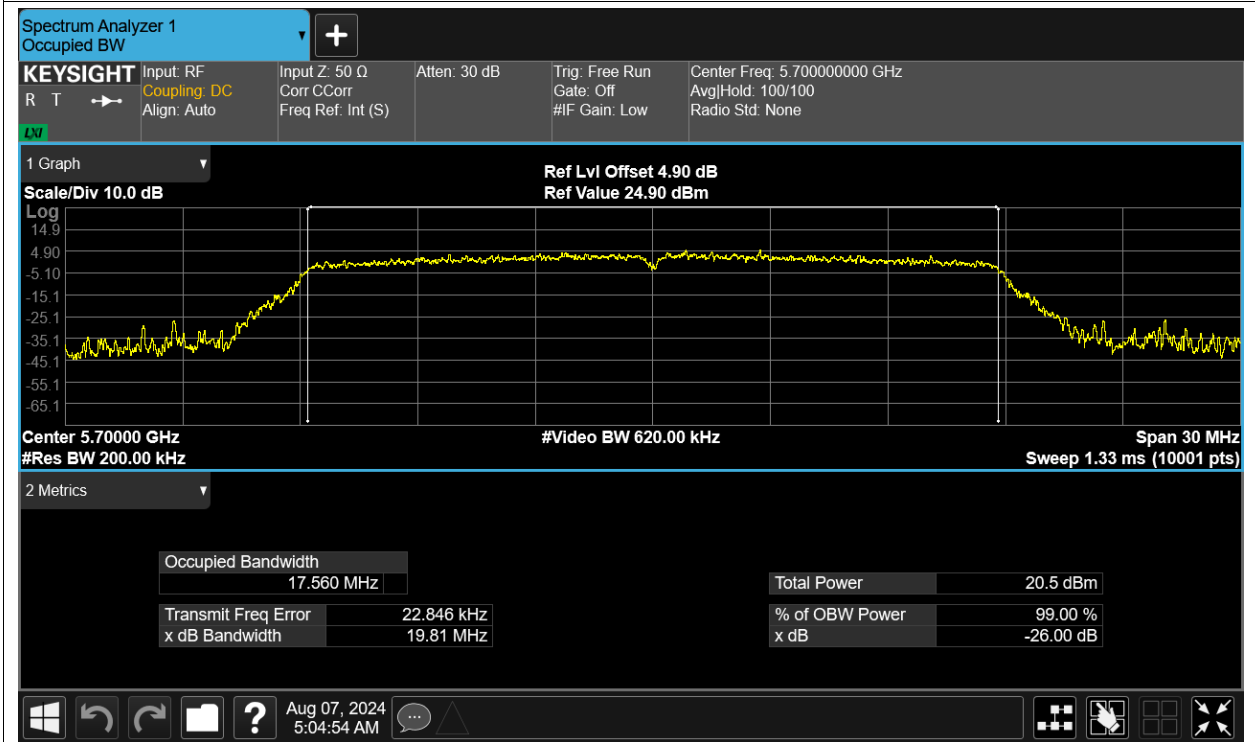
OBW NVNT ac20 5500MHz Ant1



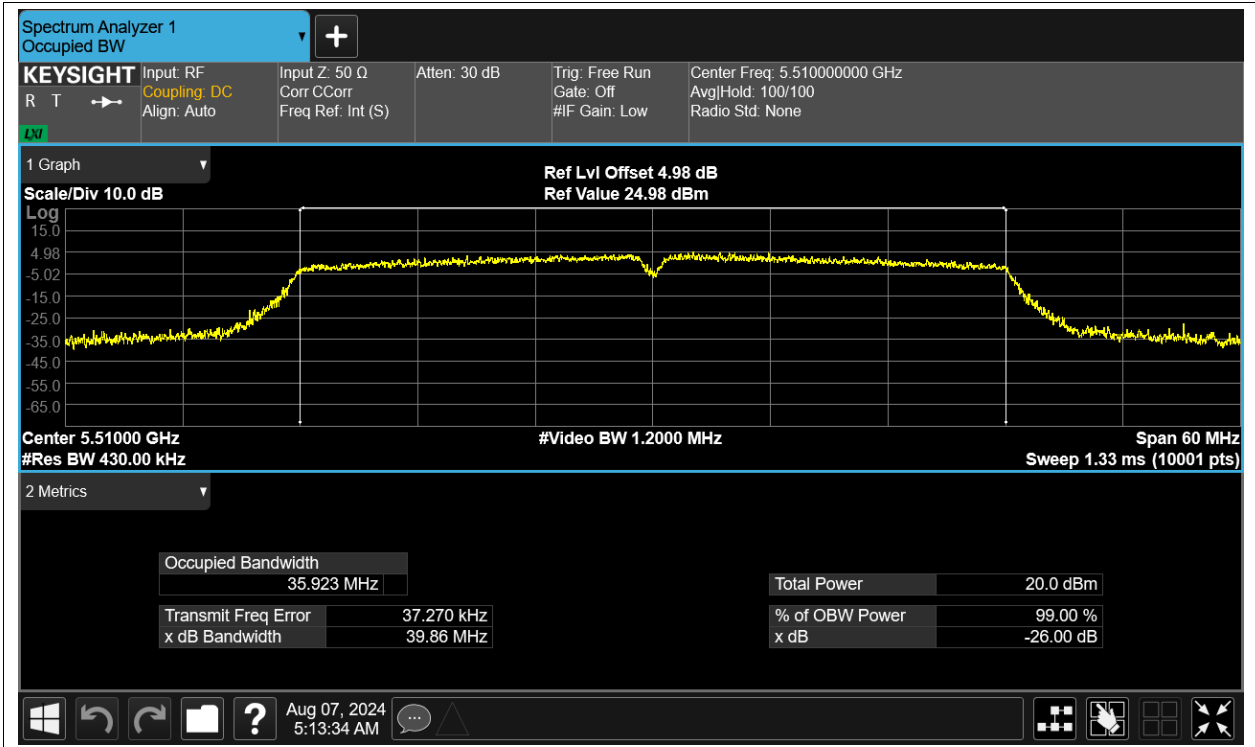
OBW NVNT ac20 5600MHz Ant1



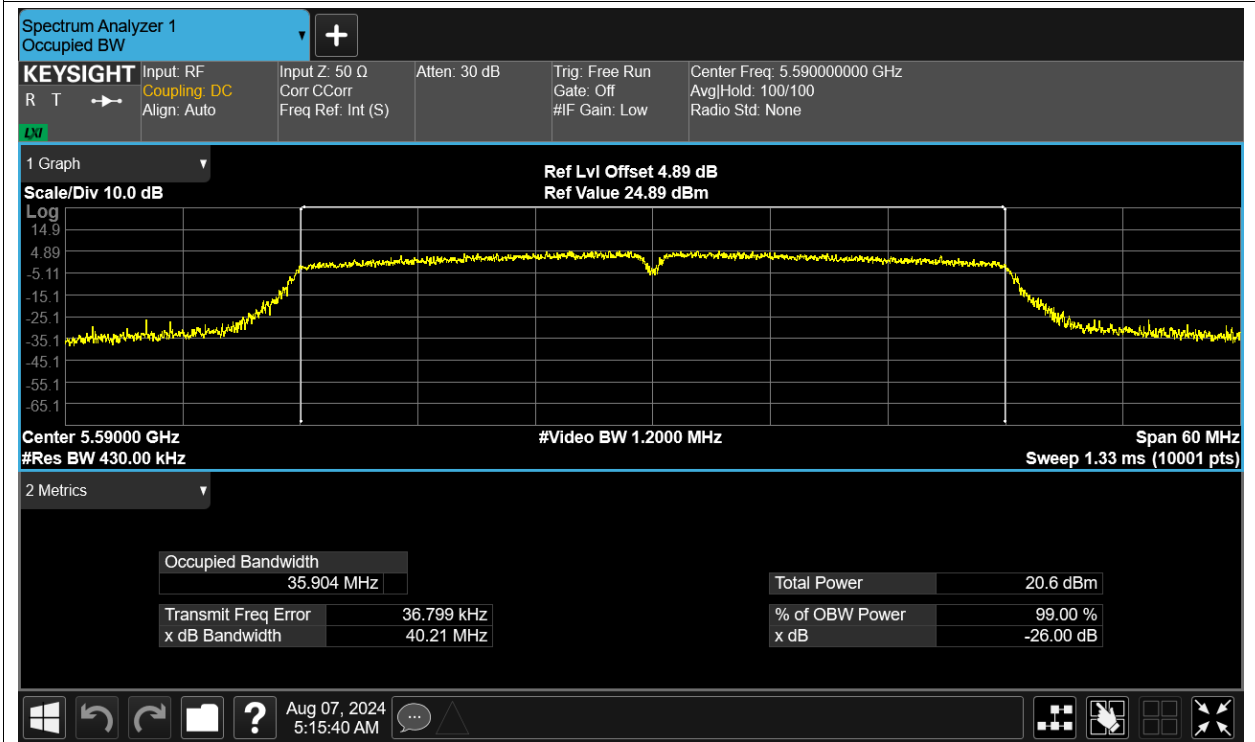
OBW NVNT ac20 5700MHz Ant1



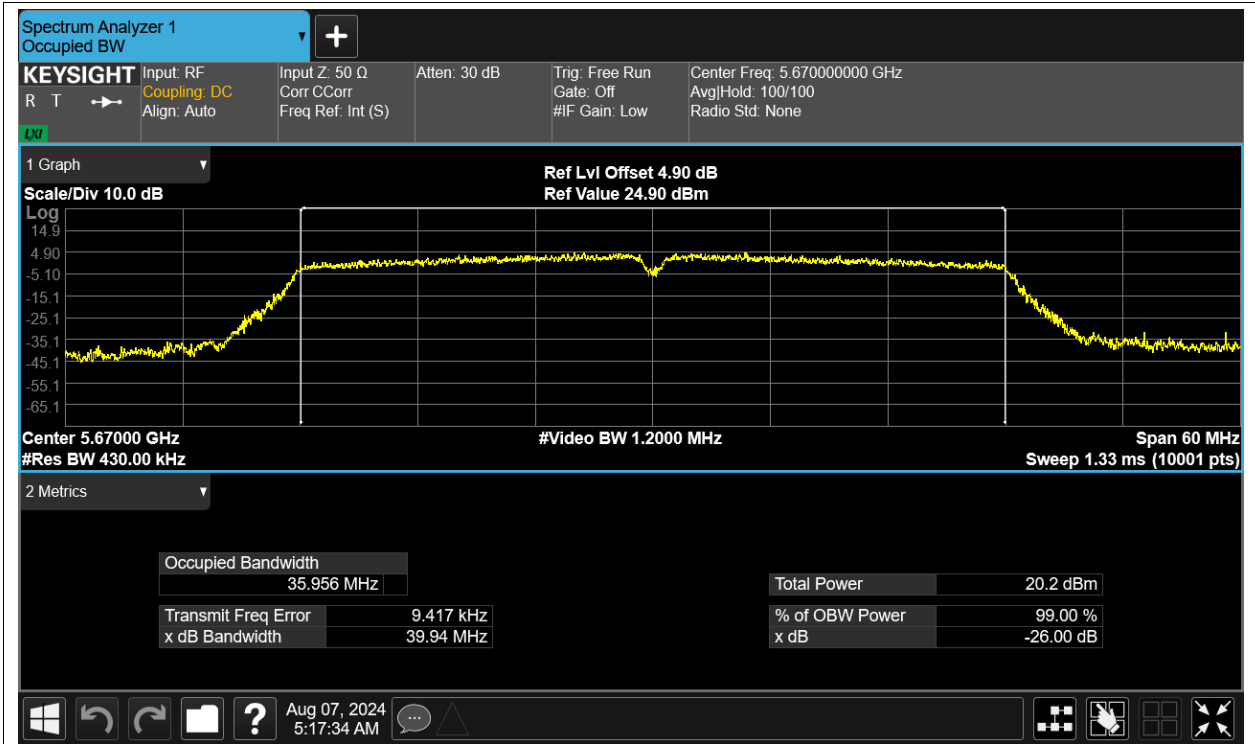
OBW NVNT ac40 5510MHz Ant1



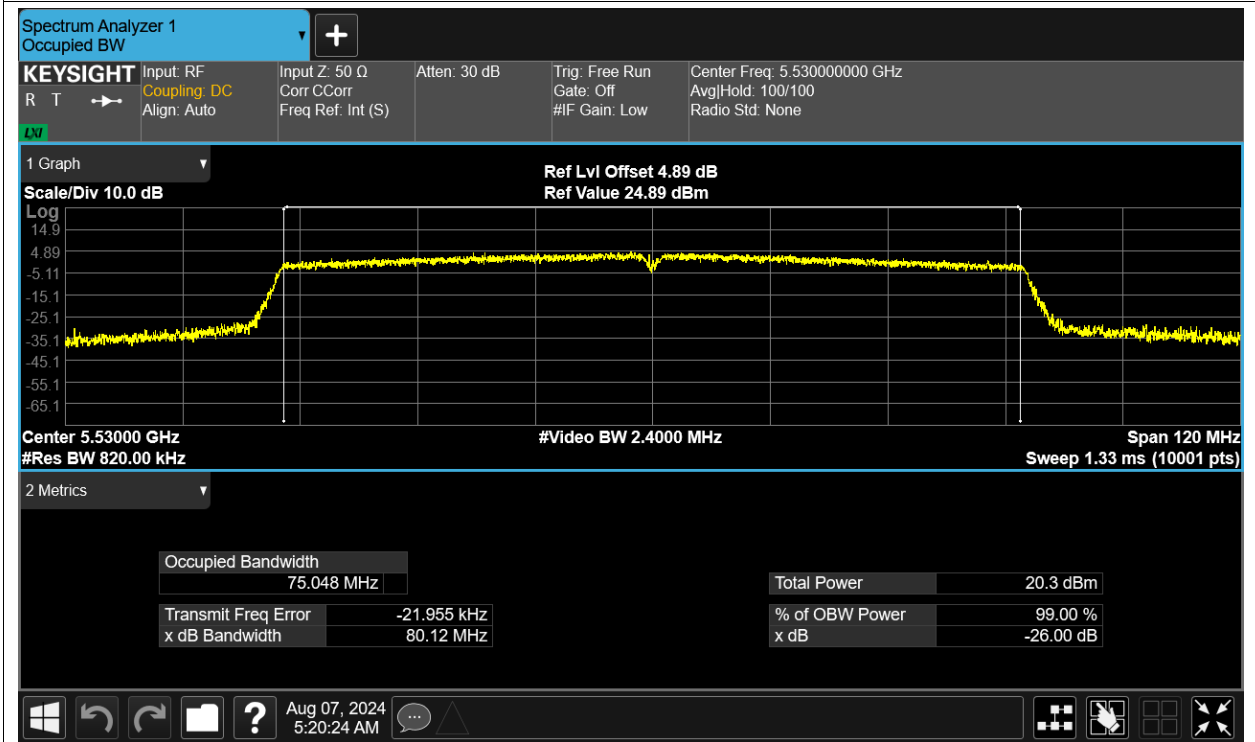
OBW NVNT ac40 5590MHz Ant1



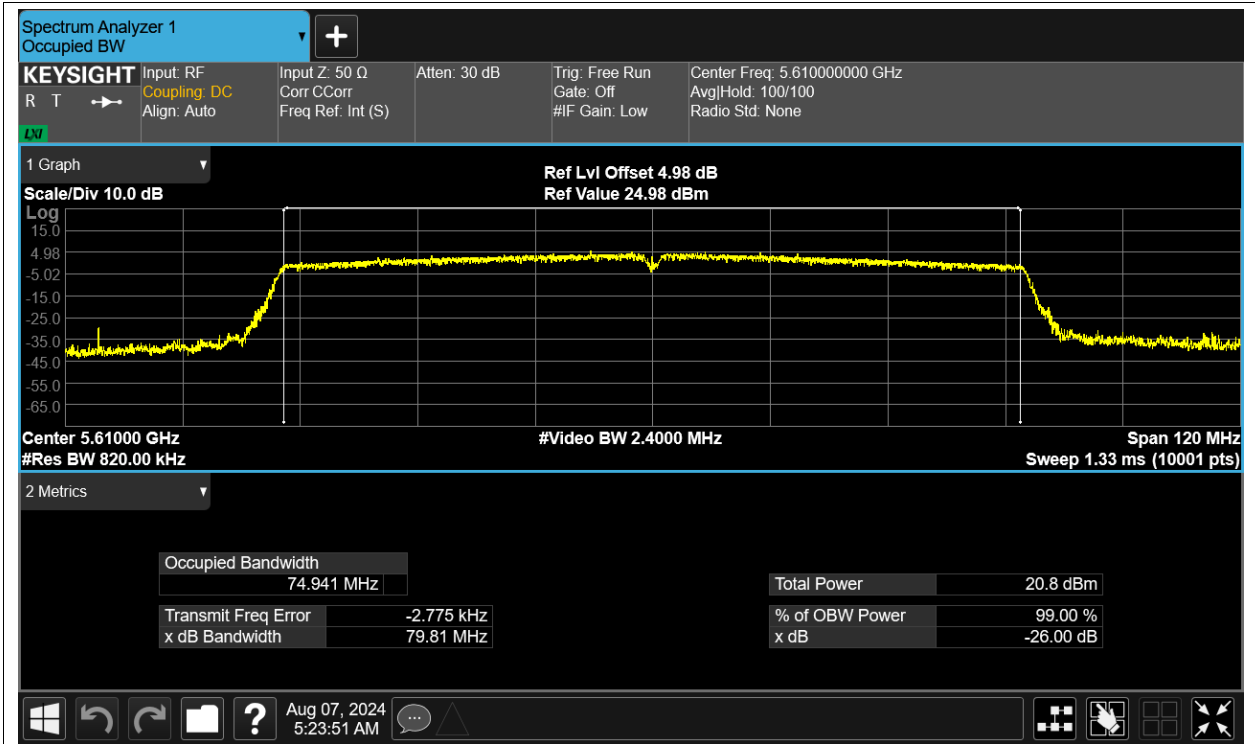
OBW NVNT ac40 5670MHz Ant1



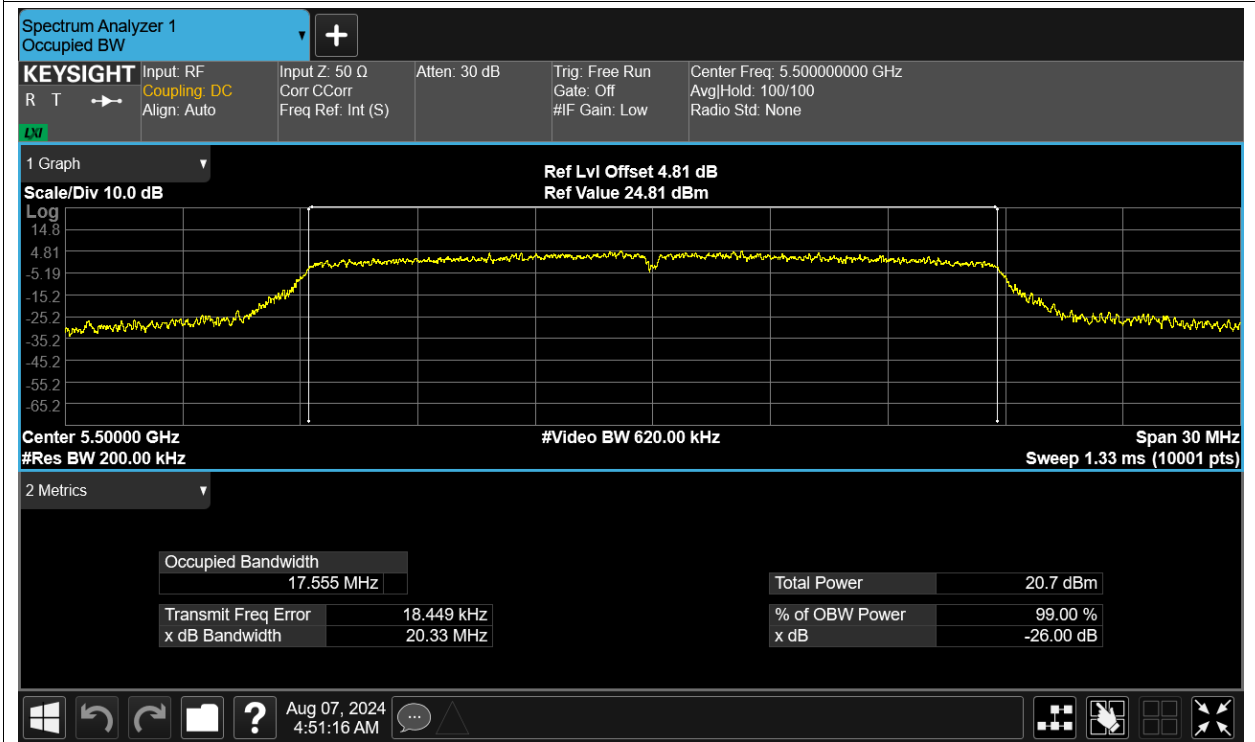
OBW NVNT ac80 5530MHz Ant1



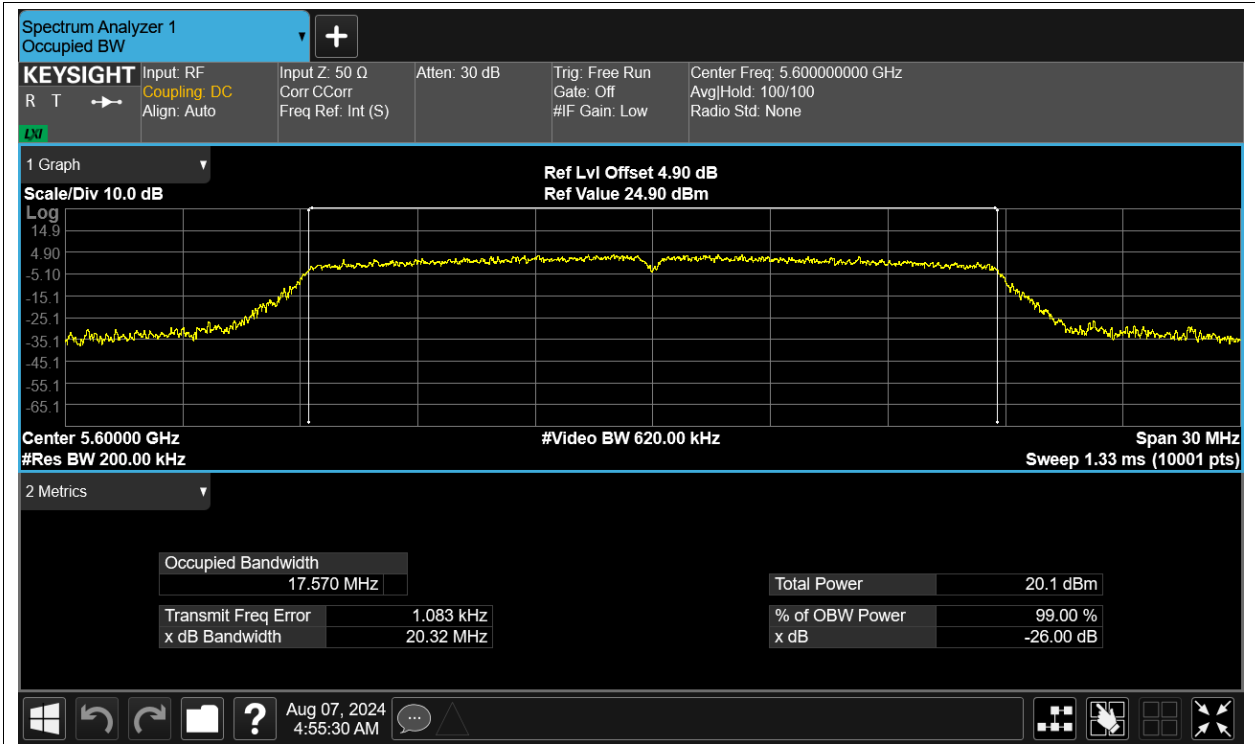
OBW NVNT ac80 5610MHz Ant1



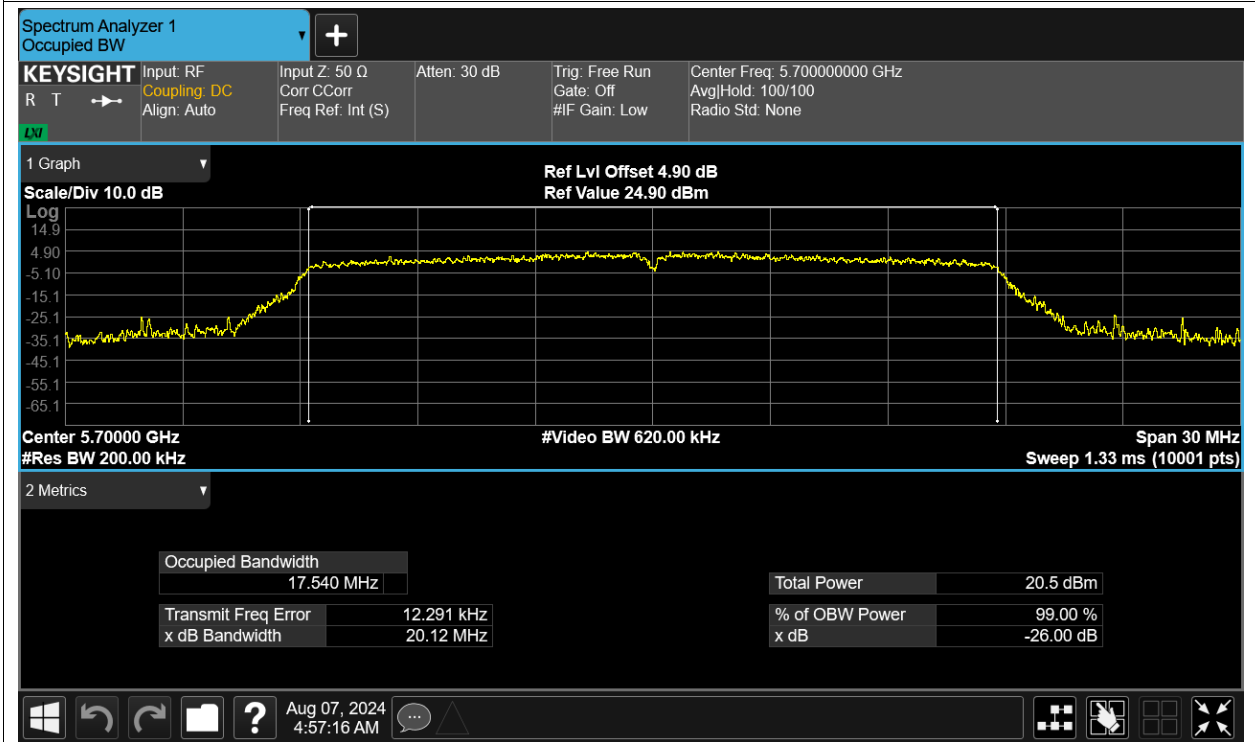
OBW NVNT n20 5500MHz Ant1



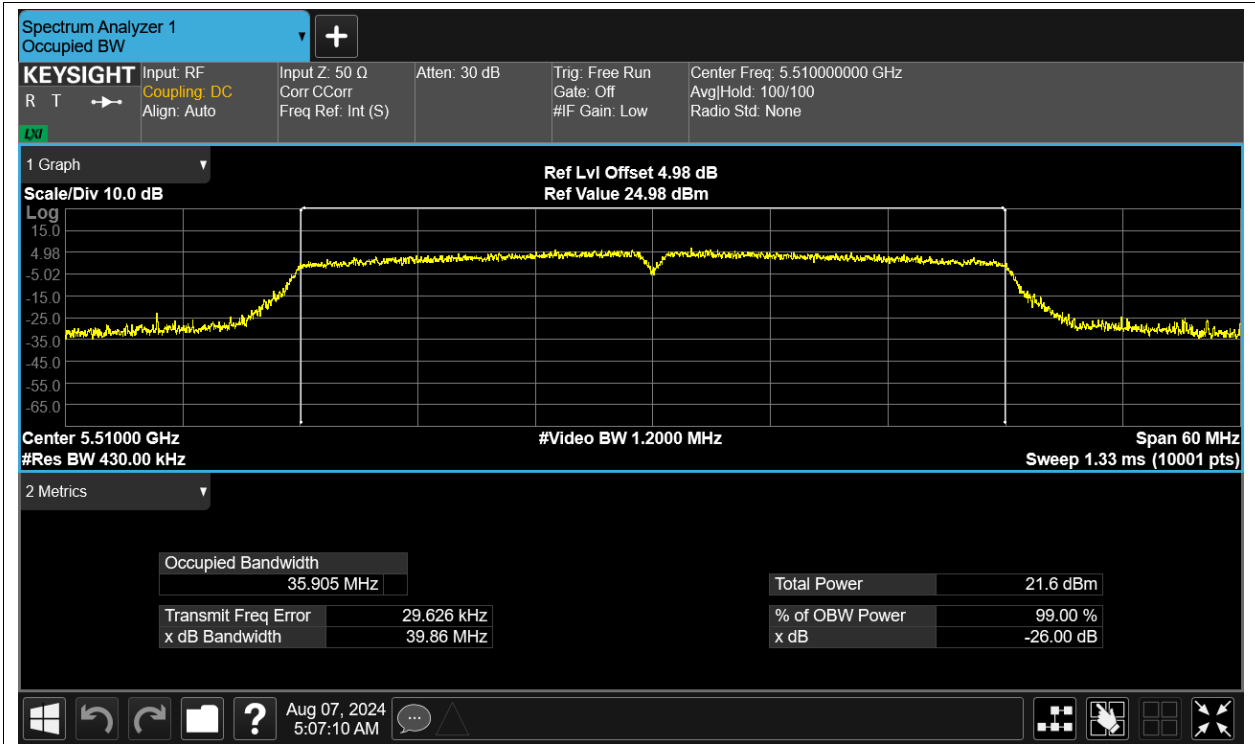
OBW NVNT n20 5600MHz Ant1



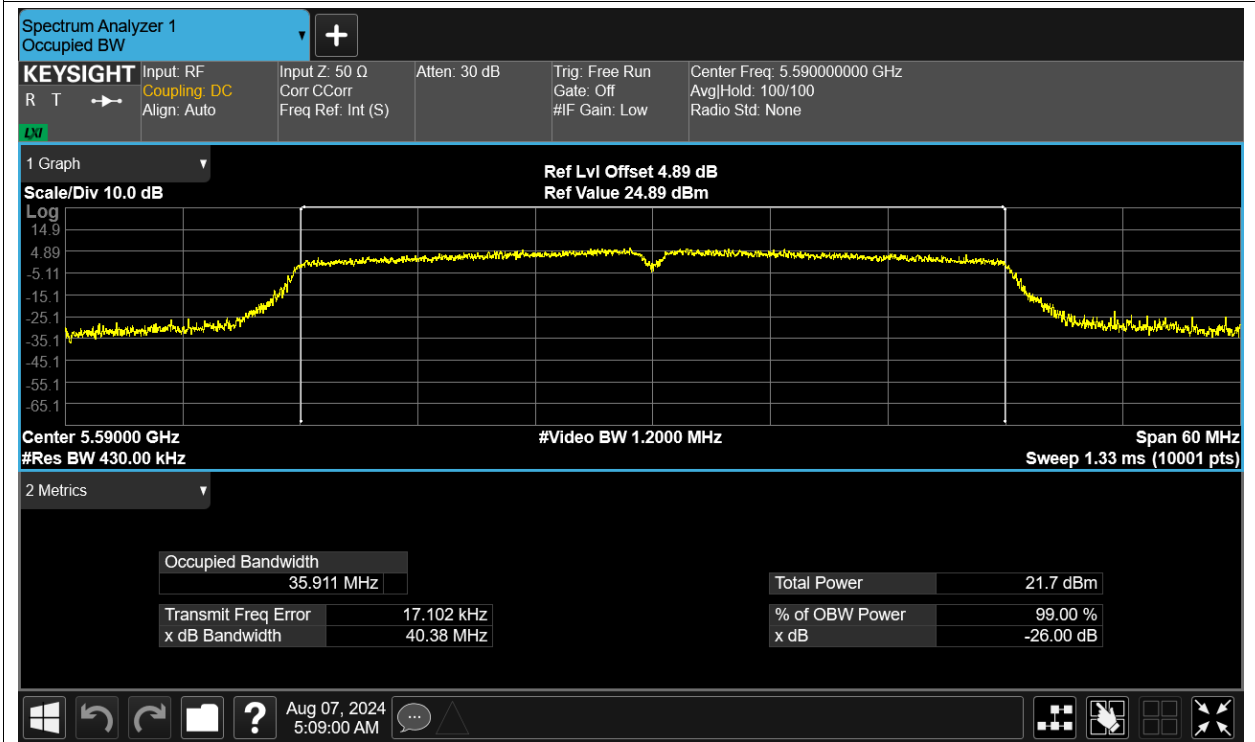
OBW NVNT n20 5700MHz Ant1



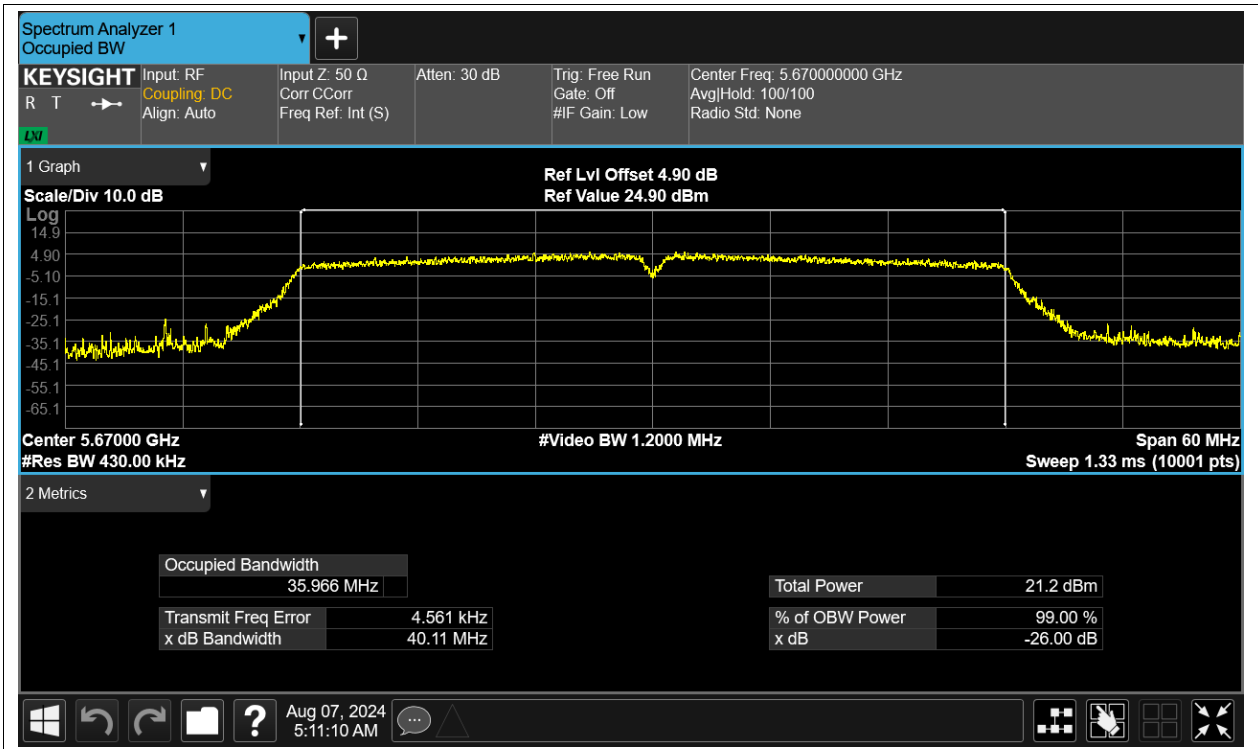
OBW NVNT n40 5510MHz Ant1



OBW NVNT n40 5590MHz Ant1



OBW NVNT n40 5670MHz Ant1



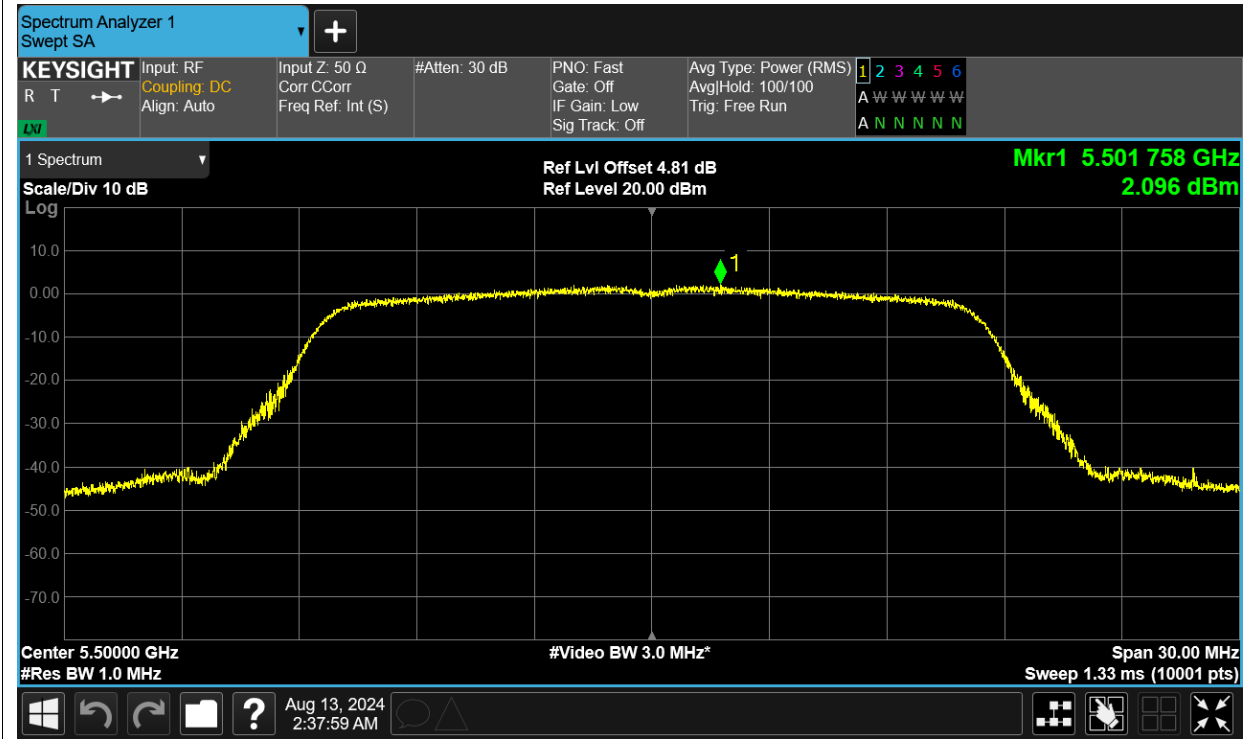


## Maximum Power Spectral Density Level

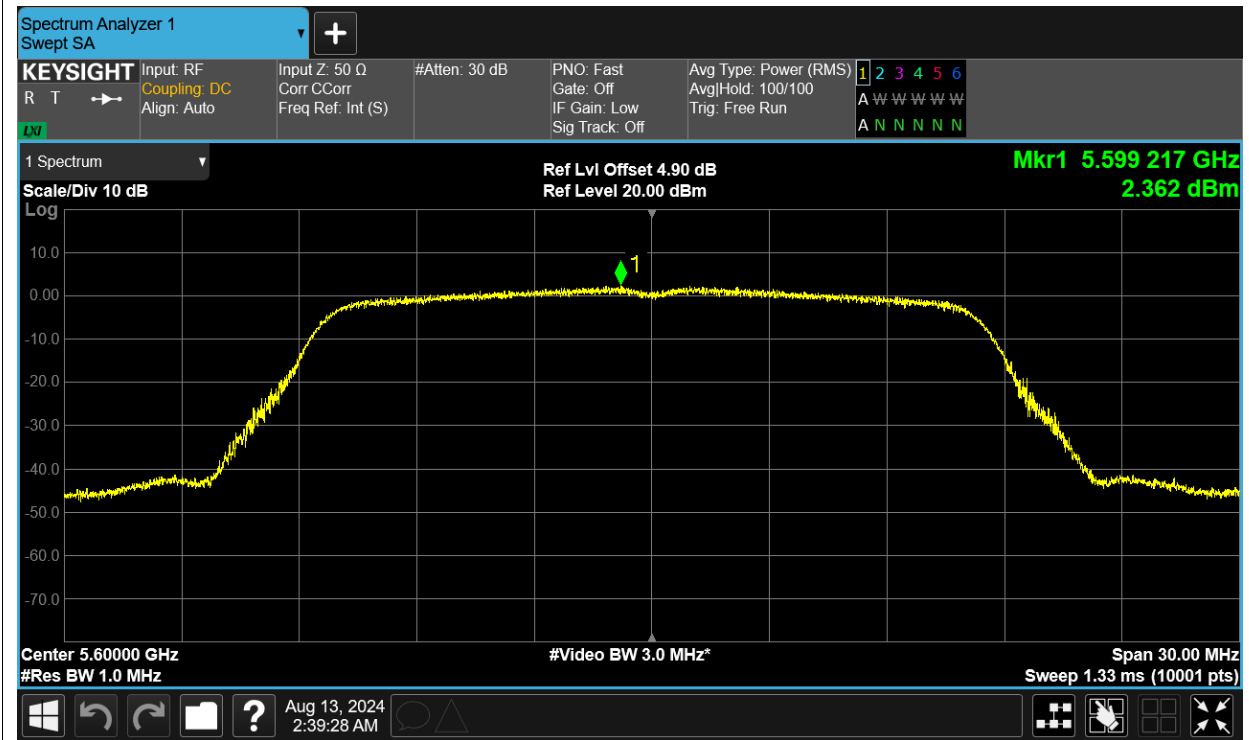
Condition	Mode	Frequency (MHz)	Antenna	Max PSD (dBm)	Limit (dBm)	Verdict
NVNT	a	5500	Ant1	2.096	11	Pass
NVNT	a	5600	Ant1	2.362	11	Pass
NVNT	a	5700	Ant1	1.879	11	Pass
NVNT	ac20	5500	Ant1	1.935	11	Pass
NVNT	ac20	5600	Ant1	2.388	11	Pass
NVNT	ac20	5700	Ant1	1.906	11	Pass
NVNT	ac40	5510	Ant1	-4.102	11	Pass
NVNT	ac40	5590	Ant1	-4.013	11	Pass
NVNT	ac40	5670	Ant1	-3.874	11	Pass
NVNT	ac80	5530	Ant1	-6.863	11	Pass
NVNT	ac80	5610	Ant1	-5.95	11	Pass
NVNT	n20	5500	Ant1	2	11	Pass
NVNT	n20	5600	Ant1	2.081	11	Pass
NVNT	n20	5700	Ant1	1.625	11	Pass
NVNT	n40	5510	Ant1	-4.022	11	Pass
NVNT	n40	5590	Ant1	-3.572	11	Pass
NVNT	n40	5670	Ant1	-4.388	11	Pass

Test Graphs

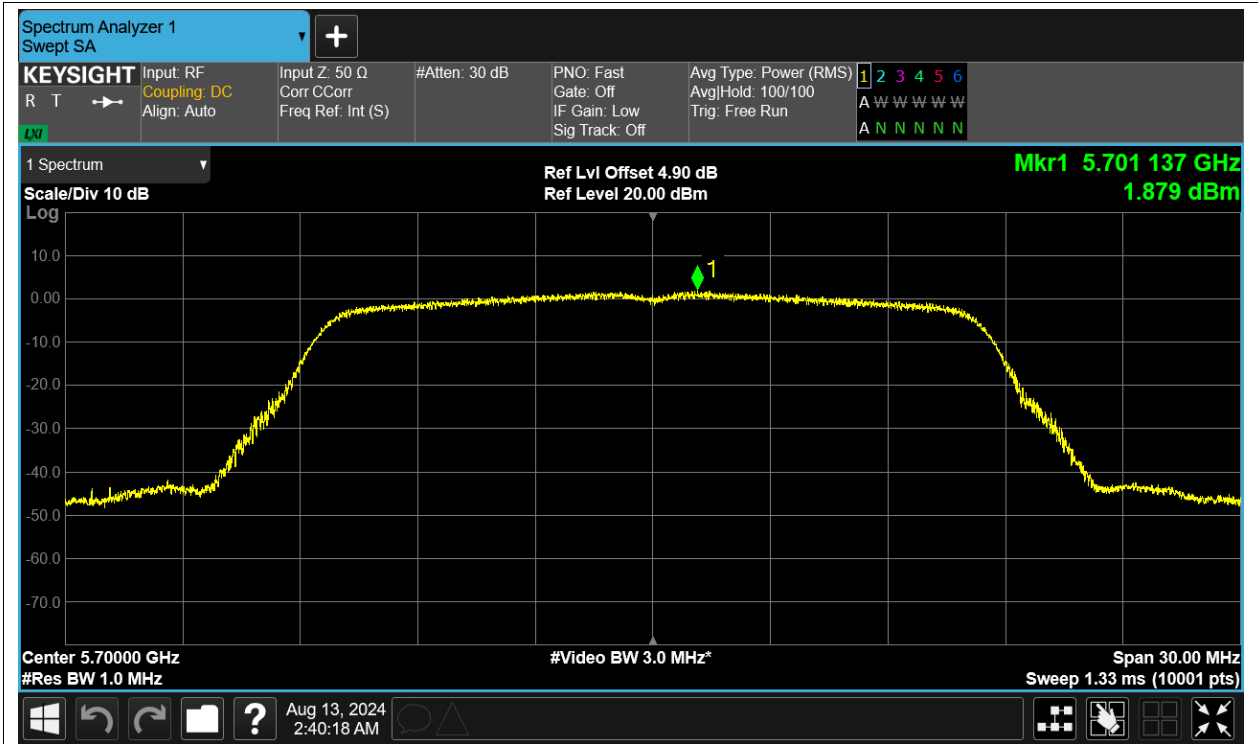
PSD NVNT a 5500MHz Ant1



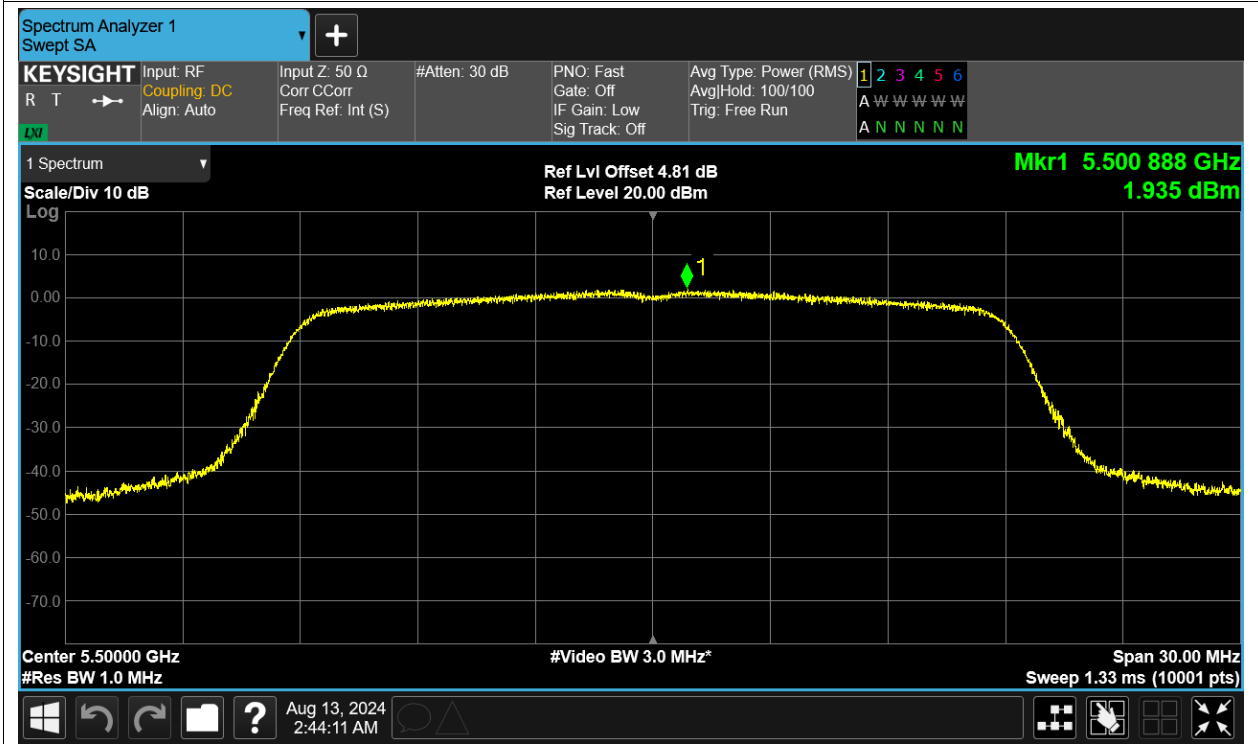
PSD NVNT a 5600MHz Ant1



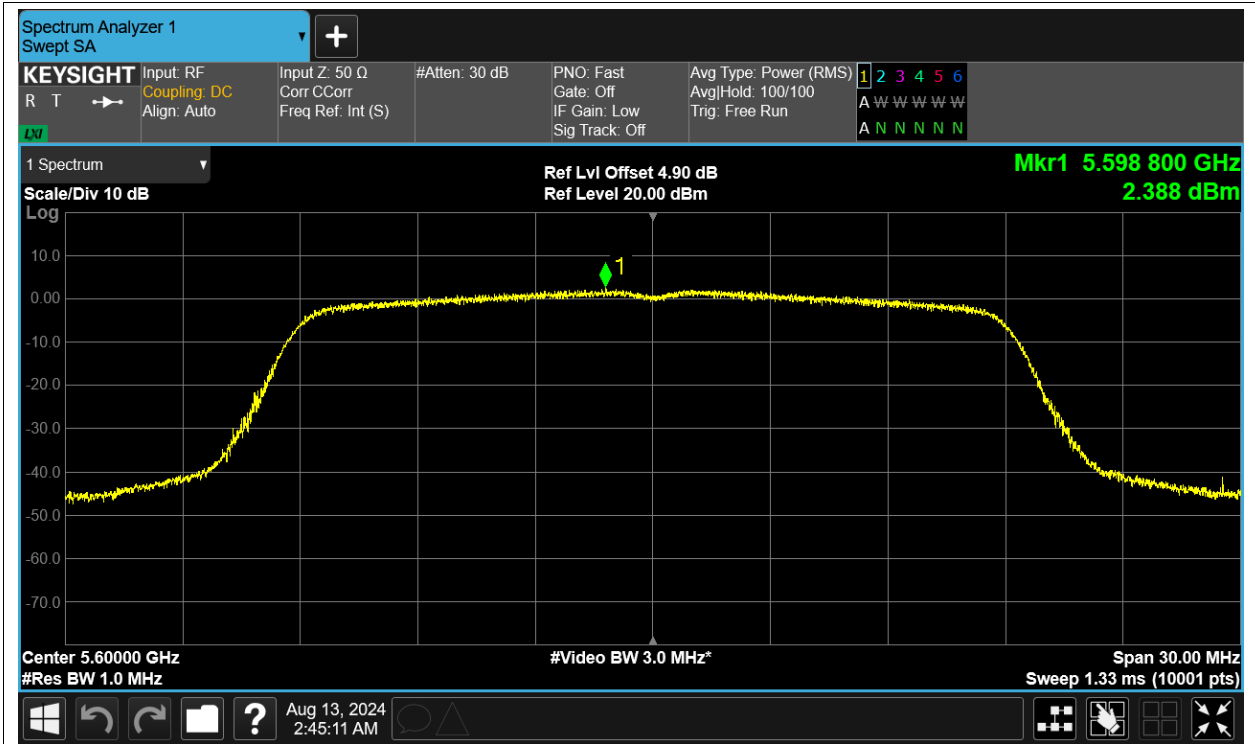
PSD NVNT a 5700MHz Ant1



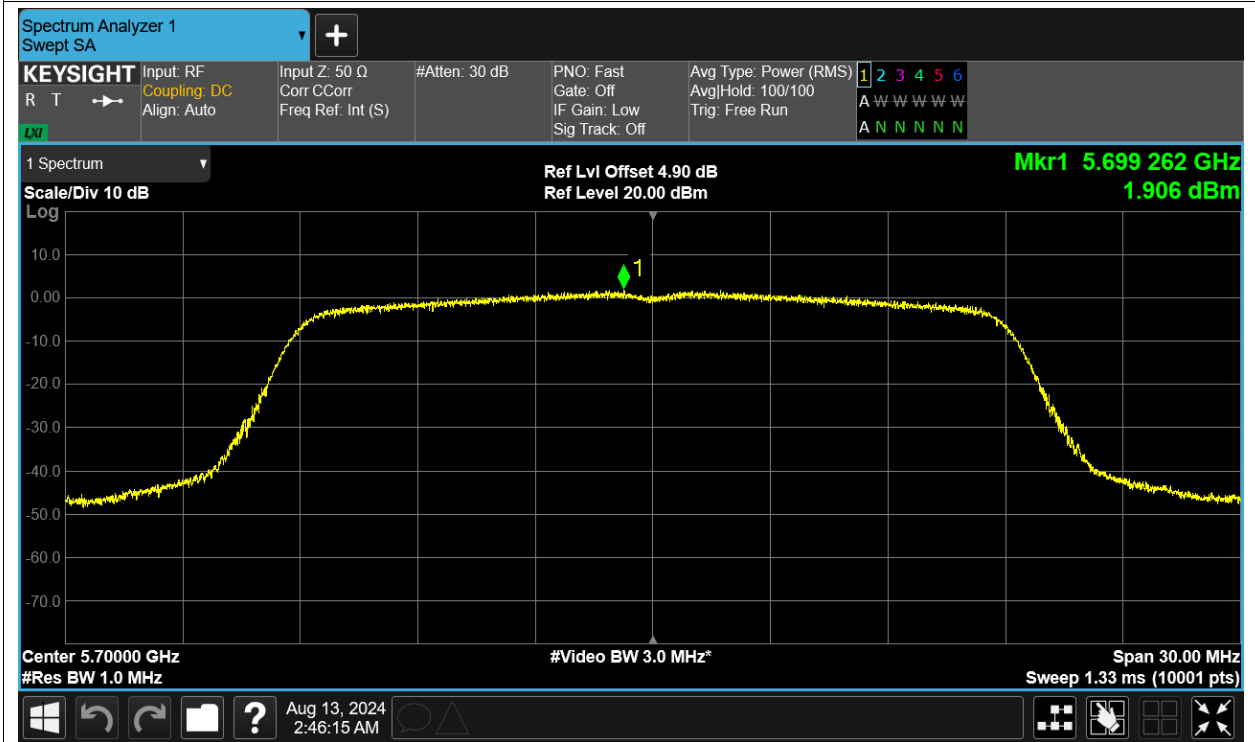
PSD NVNT ac20 5500MHz Ant1



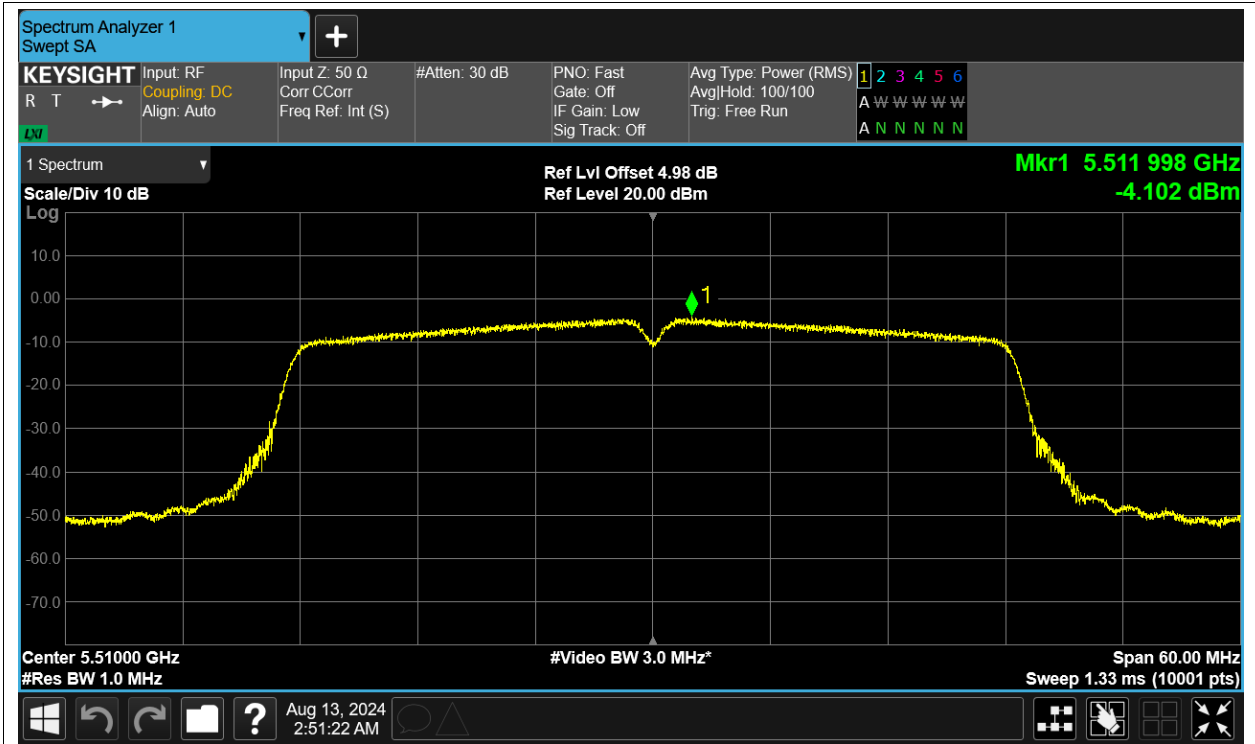
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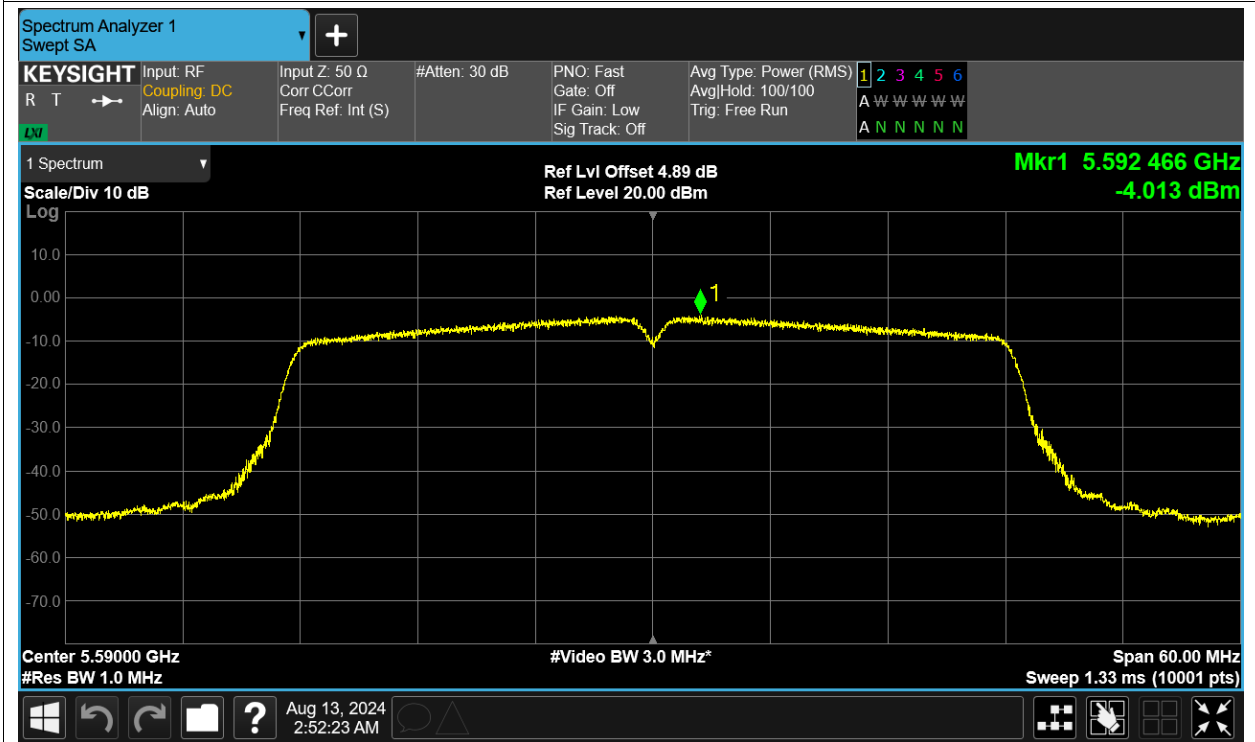
PSD NVNT ac20 5700MHz Ant1



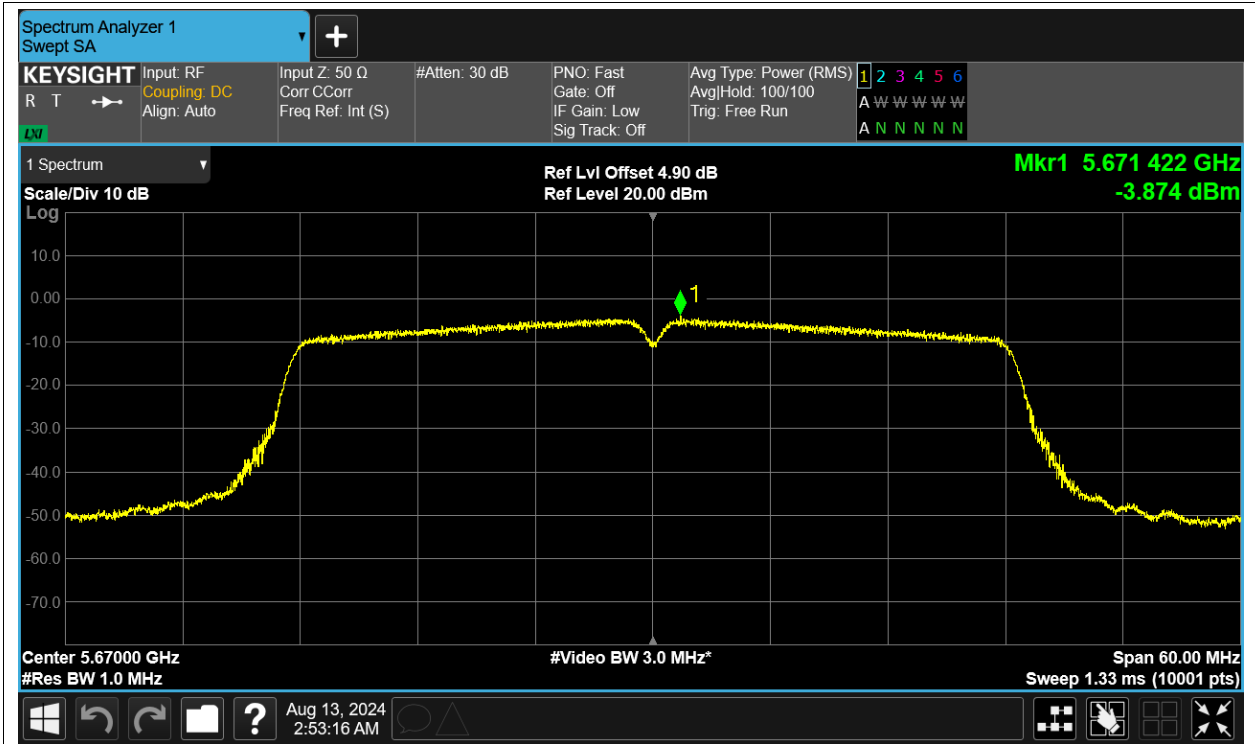
PSD NVNT ac40 5510MHz Ant1



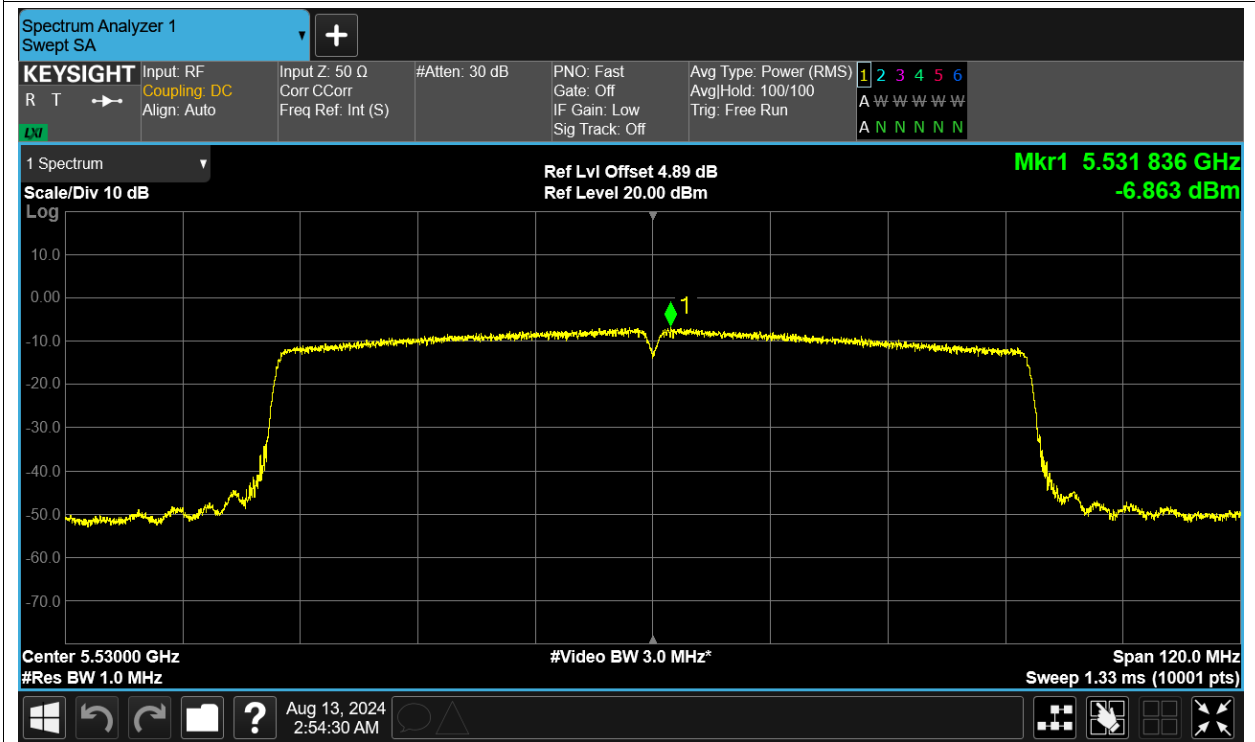
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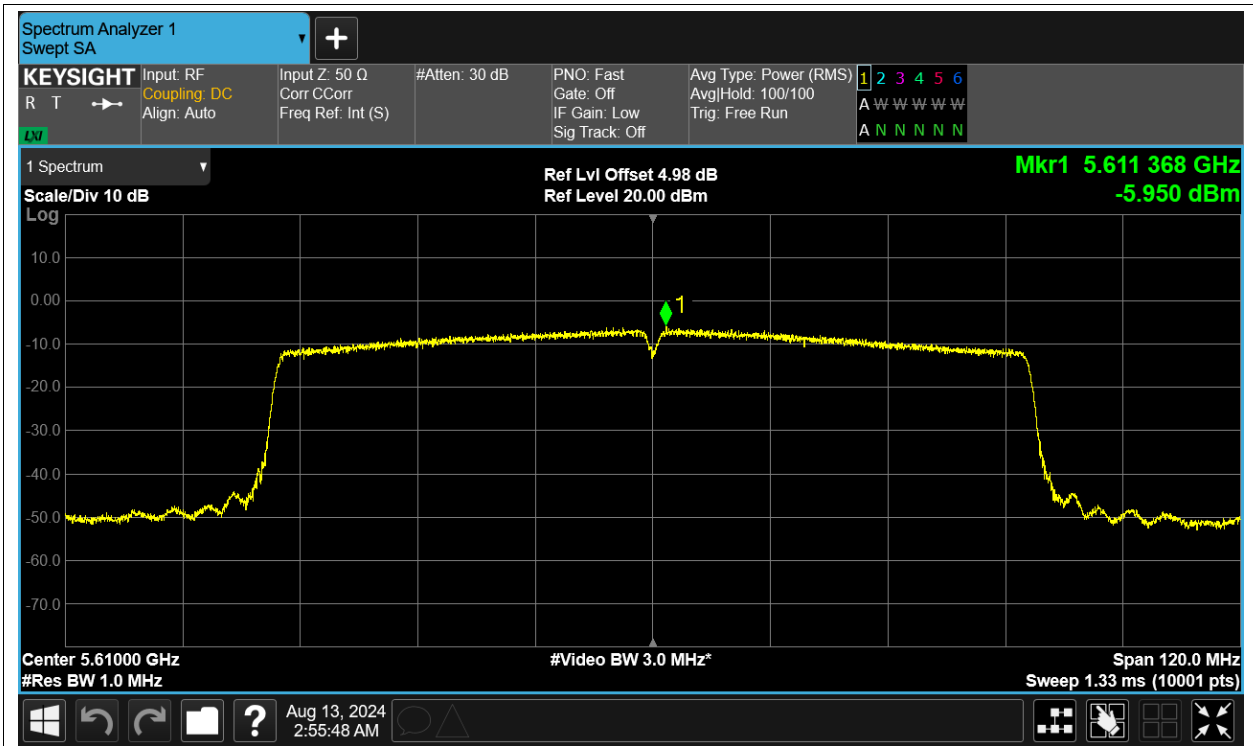
PSD NVNT ac40 5670MHz Ant1



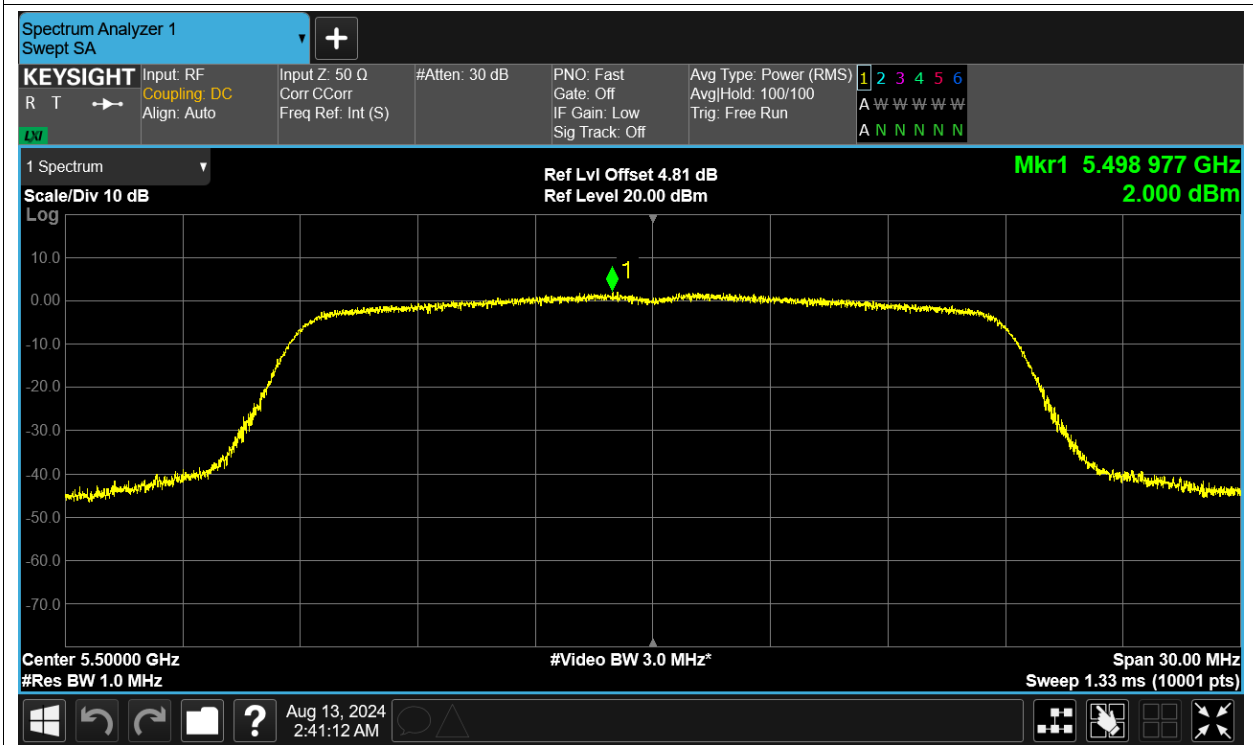
PSD NVNT ac80 5530MHz Ant1



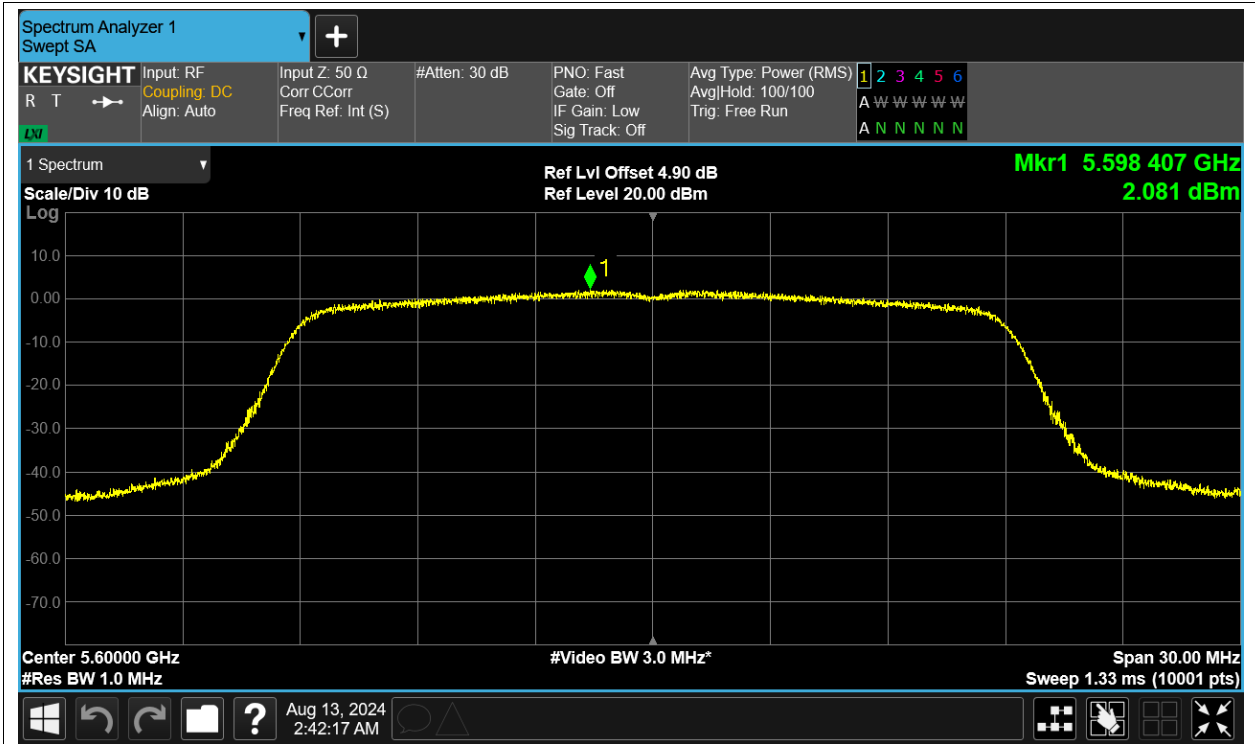
PSD NVNT ac80 5610MHz Ant1



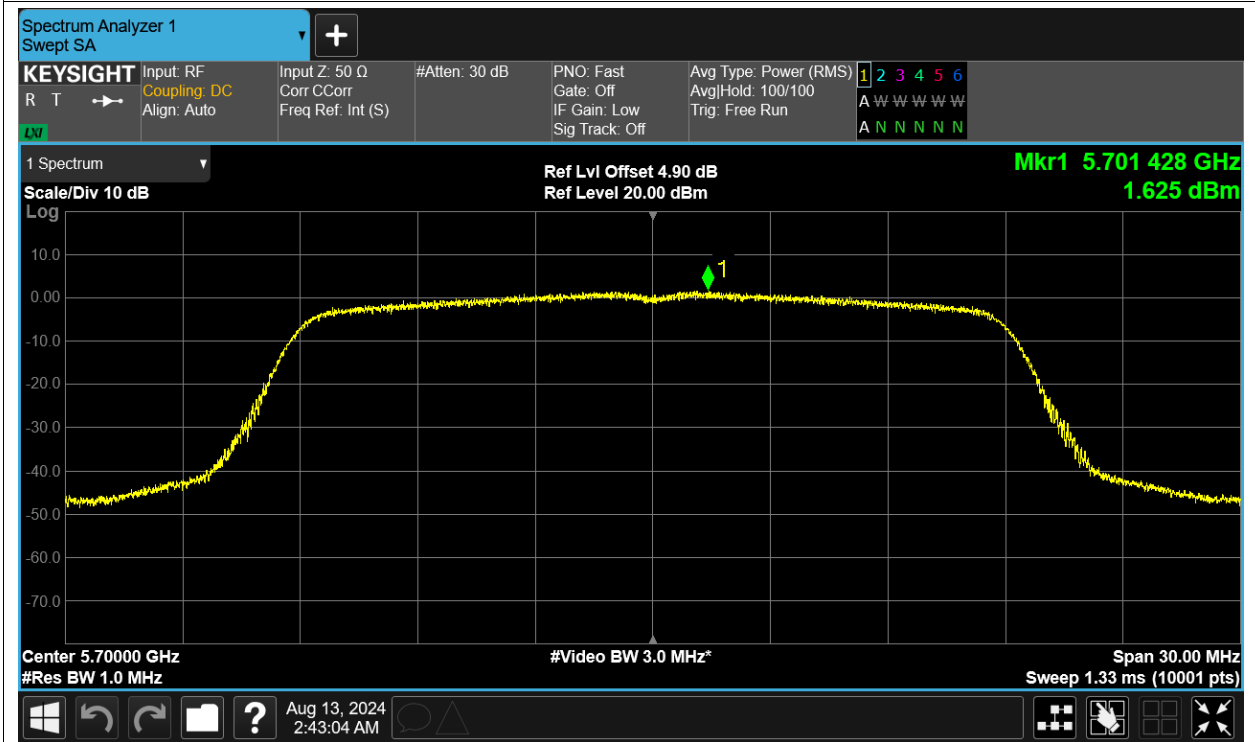
PSD NVNT n20 5500MHz Ant1



PSD NVNT n20 5600MHz Ant1

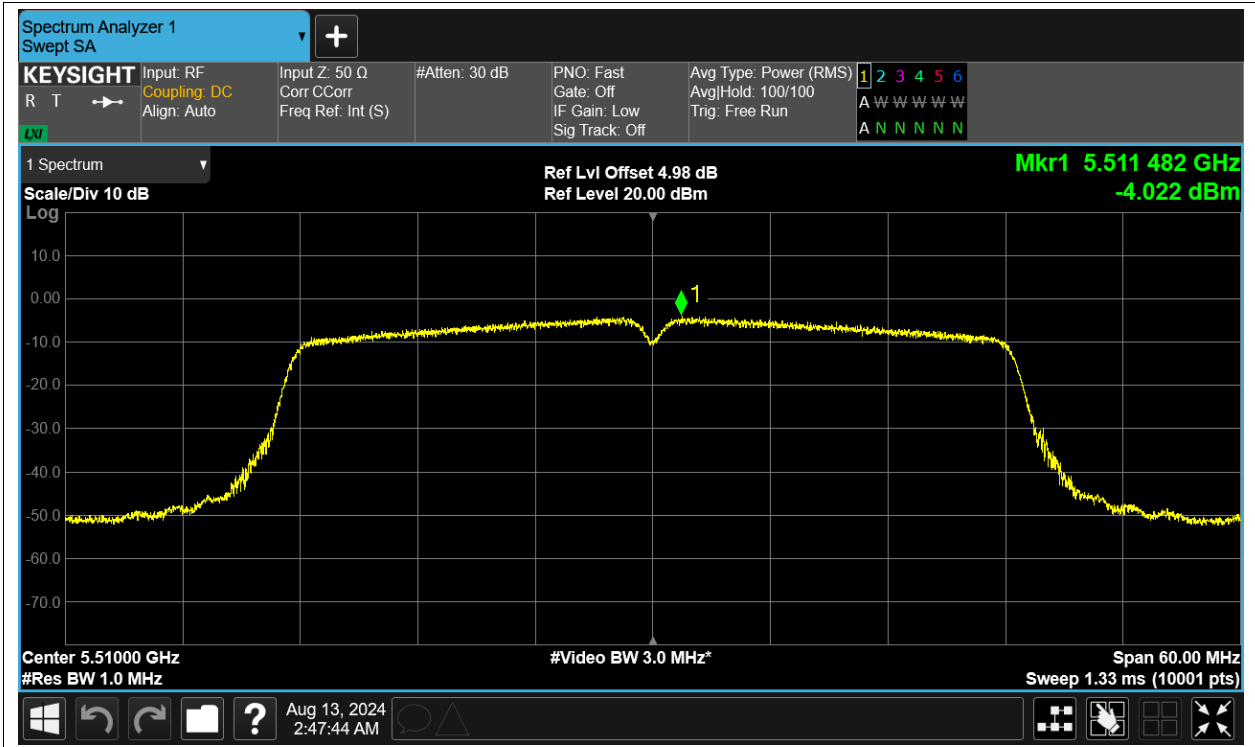


PSD NVNT n20 5700MHz Ant1

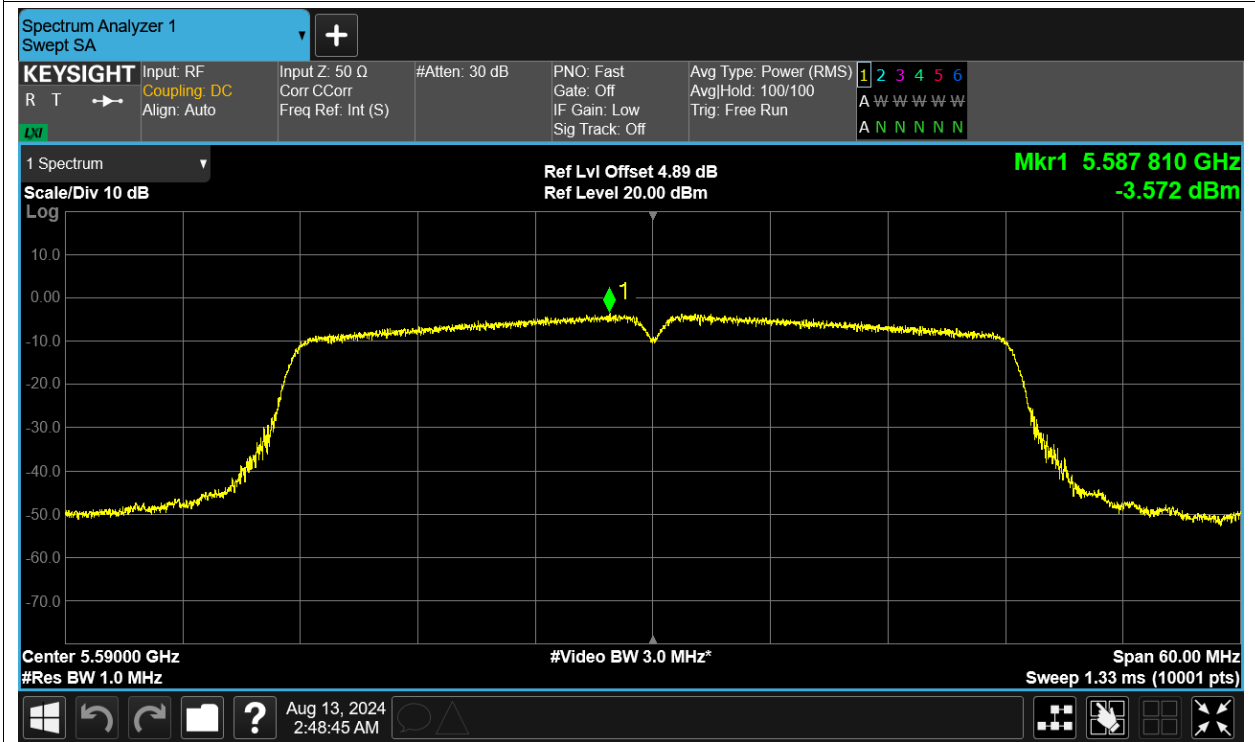


PSD NVNT n40 5510MHz Ant1





PSD NVNT n40 5590MHz Ant1



PSD NVNT n40 5670MHz Ant1

